



Chemicals Catalog

Discover What's Possible





Your Preferred Chemicals Partner: The best products from one source

Fisher Scientific has been providing choice and convenience in the laboratory market for more than 100 years. We have the selection of grades you need, from American Chemical Society (ACS) to the highest purity, in all the popular package sizes.

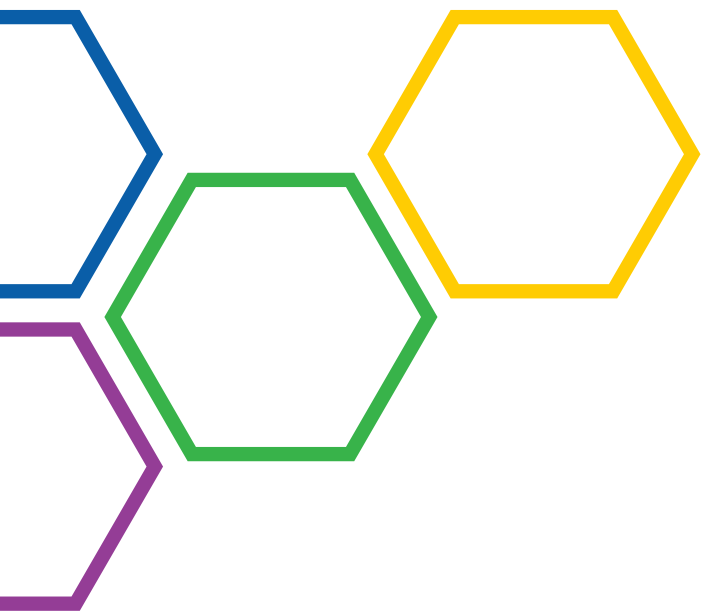
And if our standard offerings don't fit your needs, our custom services allow us to tailor a solution to your exact specifications.



Discover What's Possible

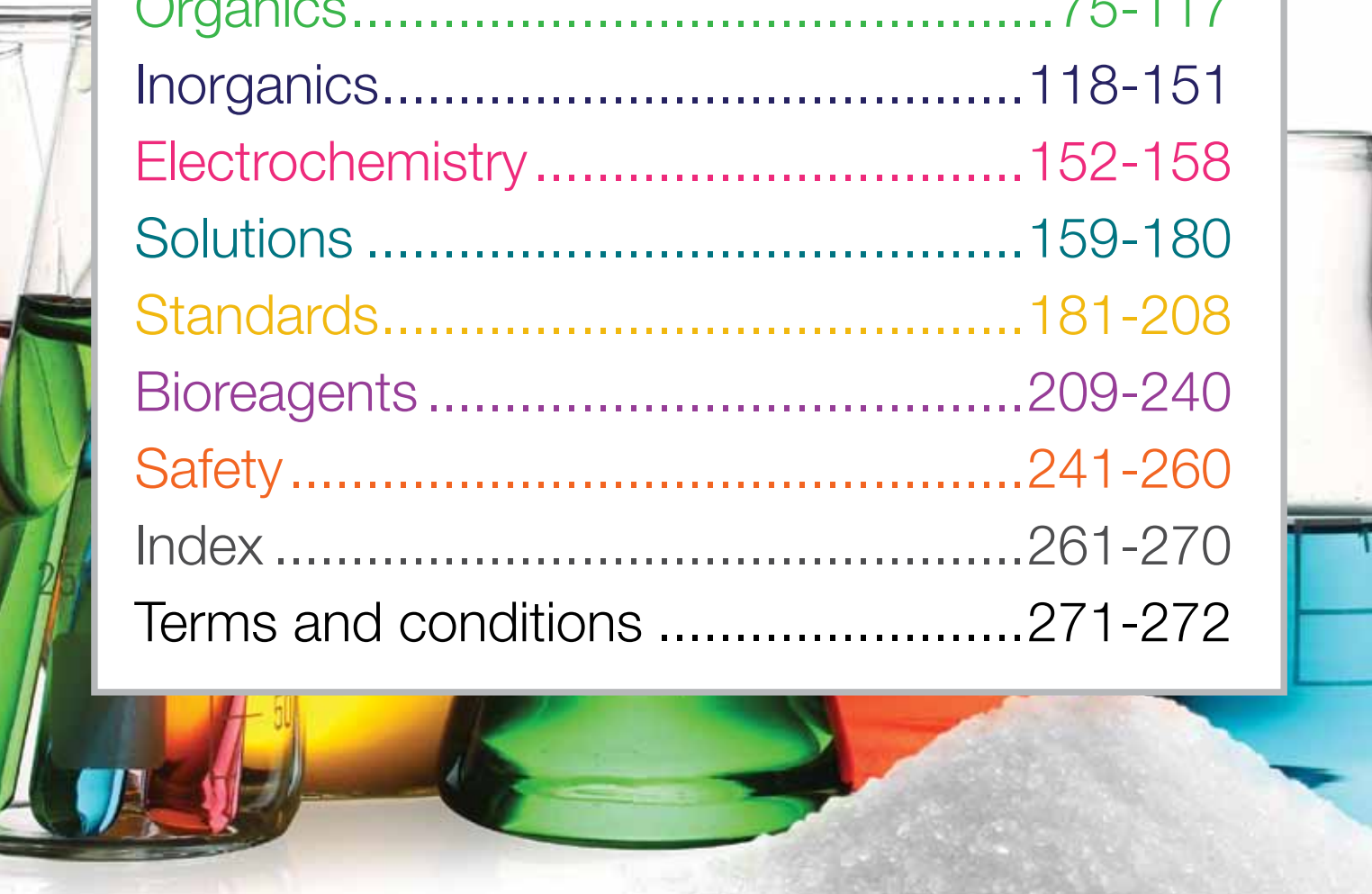
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Not All Solvents are Created Equal

Fisher Chemical high-purity solvents come in a variety of innovative packages that offer you reliability, purity and convenience. Our focus is on preserving the integrity of the product while being conscious of the environmental impact of our packaging.

Our solvents are designed with researchers in mind. Choose Fisher Chemical for your analysis.

Ultra-Trace Analysis



QR Codes Retrieve SDS and CofA

Safety is at your fingertips with Fisher Chemical and Fisher BioReagents labels. Scan the QR codes on select labels with your smartphone or tablet to quickly access the Safety Data Sheet (SDS) and lot-specific Certificate of Analysis (CofA) for that product. It's the fast way to respond to safety issues.

Visit fishersci.com/QR to see what products have this feature.



Safe-Cote™ Solvents — Safely Serving Science

If a bottle coated in Safe-Cote breaks, glass fragments and liquids are more likely to remain trapped, preserving the product, protecting the researcher, and avoiding a large clean up.

Visit fishersci.com/safecote

Lock in Safety and Quality with Fisher Chemical FisherLOCK™

Secure, tamper-evident FisherLOCK caps hold the lips of our amber glass bottles and preserve the integrity of your chemicals. The color-coded bands at the bottom of the cap are based on industry-standard color coding for proper storage and handling, so you can easily identify hazards.



Next-Generation Reagents

As instrumentation evolves, new lines of solvents are being developed so researchers can amplify productivity with improved detection of impurities and interference-free baselines.



EcoSafPak™ Styrofoam-FREE Eco-Friendly Sturdy Shipping Containers

EcoSafPak packaging passes the most demanding ISTA (International Safe Transport Association) 3A tests, which consist of 17 drops that simulate real-world shipping along with vibration and stability testing to ensure the frame keeps the product protected. The packaging is manufactured by SFI (Sustainable Forest Initiative)-certified manufacturers according to principles, objectives and performance measures developed by professional foresters, conservationists and scientists to promote the perpetual growth and harvest of trees with the long-term protection of wildlife, plants, soil, and water.


Visit fishersci.com/ecosafpak to learn more.

ChemAlert™

Safe Storage and Handling Codes

Lock in Safety and Quality with Fisher Chemical FisherLOCK™

Secure, tamper-evident FisherLOCK caps hold the lips of our amber glass bottles and preserve the integrity of your chemicals. The color-coded bands at the bottom of the cap are based on industry-standard color coding for proper storage and handling, so you can easily identify hazards.

-  **Red — Flammable**
Store in area segregated for flammable reagents.
-  **Blue — Health Hazard**
Toxic if inhaled, ingested or absorbed through skin; store in secure area.
-  **Yellow — Reactive and Oxidizing**
May react violently with air, water or other substances; store away from flammable and combustible materials.
-  **White — Corrosive**
May harm skin, eyes and mucous membranes; store away from red-, yellow- and blue-coded reagents. Store acids and bases separately.
-  **Gray — Moderate Hazard**
Presents no more than moderate hazard in any of the hazards previously listed.







Dot Classifications

The U.S. Department of Transportation (DOT) publishes transportation regulations covering shipments of materials classified as hazardous within the continental United States and its territories. These regulations, covering packaging, marking, labeling and shipping paper descriptions, are published in 49 CFR Parts 100-185. Materials are classified according to the system listed right.

Spill Cleanup Kit Symbols

To simplify ordering the appropriate kit, the following symbols are used to identify chemicals that require special cleanup materials and the type of cleanup kit required. These are one-time-use kits containing everything necessary for spill cleanup.

-  **Mercury Warning;** this product contains Mercury.
-  **Acid Spill Emergency Cleanup Kit** for neutralizing and absorbing up to 1L of acid. (Cat. No. 18-061A)
-  **Caustic Spill Emergency Cleanup Kit** for neutralizing and absorbing up to 1L of caustic material. (Cat. No. 18-061C)
-  **Solvent Spill Emergency Cleanup Kit** for neutralizing and absorbing up to 1L of solvent. (Cat. No. 18-061B)

| DOT Hazard Class/Division | DOT Hazard Description |
|---------------------------|---------------------------|
| 1 | Explosives |
| 2.1 | Flammable Gas |
| 2.2 | Non-Flammable Gas |
| 2.3 | Poison Gas |
| 3 | Flammable Liquid |
| 4.1 | Flammable Solid |
| 4.2 | Spontaneously Combustible |
| 4.3 | Dangerous When Wet |
| 5.1 | Oxidizer |
| 5.2 | Organic Peroxide |
| 6.1 | Poison |
| 6.2 | Infectious Substance |
| 7 | Radioactive |
| 8 | Corrosive |
| 9 | Miscellaneous |

Connected chromatography

Realize one resource that provides a portfolio of products delivering connected chromatography solutions across key market workflows. A comprehensive catalog of chromatography columns and consumables showcasing some of our new product innovations including Thermo Scientific™ SMART Digest™ kits, Thermo Scientific™ Virtuoso™ Vial Identification System, Bio LC Columns, Thermo Scientific™ Accucore™ Vanquish™ Columns, Thermo Scientific™ GC Septa and the Thermo Scientific™ LincER™ Range. These products meet the world's changing requirements and enable our customers to make the world healthier, cleaner and safer.

solutions

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Acetone Certified ACS Reagent Grade

| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 500mL | Glass Bottle | A18-500 |
| 1L | Glass Bottle | A18-1 |
| 4L | Glass Bottle | A18-4 |
| 4L | Poly Bottle | A18P-4 |
| 4L | Aluminum Can | A18S-4 |
| 4L | Glass Bottle, Safe-Cote™ | A18SK-4 |
| 20L | Steel Pail | A18-20 |
| 200L | Steel Drum | A18-200 |

2-Propanone, Dimethyl Ketone; C₃H₆O; CH₃COCH₃
F.W. 58.08; CAS [67-64-1]; **Melting Point:** -94°C (-137.2°F);
Flash Point: -20°C (-4°F); **Boiling Point:** 56°C (132.8°F); **Density:** 0.790g/mL max. (at 25°C);
DOT Class 3: Flammable Liquid; **UN:** 1090; Colorless
 Meets or exceeds the latest ACS specifications. Actual lot analysis on label.



Acetone HPLC Grade

| Quantity | Packaging | Cat. No. |
|----------|--|-----------|
| 1L | Amber Glass Bottle, EcoSafPak | A949-1 |
| 1L | Amber Glass Bottle/Safe-Cote™ | A949SK-1 |
| 4L | Amber Glass Bottle, EcoSafPak | A949-4 |
| 4L | Amber Glass Bottle/Safe-Cote™, EcoSafPak | A949SK-4 |
| 19L | NOWPAK I (Plastic Exterior) | A949N1-19 |

Mobile phase for HPLC applications;
 99.5% min by GC; 2-Propanone, Dimethyl Ketone;
 C₃H₆O; CH₃COCH₃; **F.W.** 58.08; CAS [67-64-1];
Melting Point: -94°C (-137.2°F); **Flash Point:** -20°C (-4°F); **Boiling Point:** 56°C (132.8°F);
Density: 2.0 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1090;
 Colorless
 HPLC mobile phase for analytical and preparative separations.
 High UV transmittance and low evaporation residue.
 Filtered through a 0.2µm filter to remove particulates.
 This product also meets ACS specifications.



Acetone Electronic Grade

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | A946-4 |

96% min by GC; 2-Propanone, Dimethyl Ketone;
 C₃H₆O; CH₃COCH₃; **F.W.** 58.08; CAS [67-64-1];
Melting Point: -94°C (-137.2°F);
Flash Point: -20°C (-4°F);
Boiling Point: 56°C (132.8°F); **Density:** 2.0 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1090; Colorless
 Suitable for use in electronics and circuit board manufacturing.
 Manufactured to ensure low levels of metal contamination.
 Meets Semiconductor Equipment and Materials Institute (SEMI)
 requirements.
 This product also meets ACS specifications.



Acetone USP/NF/FCC/EP/BP/JP

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | A11-1 |
| 4L | Glass Bottle | A11-4 |
| 4L | Aluminum Can | A11S-4 |
| 20L | Steel Pail | A11-20 |
| 200L | Steel Drum | A11-200 |

2-Propanone, Dimethyl Ketone; C₃H₆O; CH₃COCH₃;
F.W. 58.08; CAS [67-64-1];
Melting Point: -94.3°C (-137.7°F);
Flash Point: -20°C (-4°F);
Boiling Point: 56°C (132.8°F); **Density:** 2.0 (Air = 1.0);
DOT Class 3: Flammable Liquid;
UN: 1090; Colorless



Acetone GC Resolv™

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | A928-4 |

≥99.5%; 2-Propanone, Dimethyl Ketone; C₃H₆O;
 CH₃COCH₃; **F.W.** 58.08; CAS [67-64-1];
Melting Point: -94°C (-137.2°F);
Flash Point: -20°C (-4°F);
Boiling Point: 56°C (132.8°F); **Density:** 2.0 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1090; Colorless
 Packaged under nitrogen.
 Suitable for high-resolution chromatography and organic residue
 analysis.
 Certificate of Lot Analysis included with each bottle;
 UV and other chromatograms available on request.



Acetone USP/NF/FCC/EP/BP/JP

| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 4L | Glass Bottle, EcoSafPak | A9-4 |
| 20L | Steel Pail | A9-20 |

2-Propanone, Dimethyl Ketone; C₃H₆O; CH₃COCH₃;
F.W. 58.08; CAS [67-64-1];
Melting Point: -94°C (-137.2°F);
Flash Point: -20°C (-4°F);
Boiling Point: 56°C (132.8°F); **Density:** 2.0 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1090; Colorless



Acetone Histological Grade

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 1 gal. | Poly Bottle | A16F-1GAL |
| 4L | Poly Bottle | A16P-4 |
| 4L | Aluminum Can | A16S-4 |
| 20L | Steel Pail | A16S-20 |

≥99.5%; 2-Propanone, Dimethyl Ketone; C₃H₆O;
 CH₃COCH₃; **F.W.** 58.08; CAS [67-64-1];
Melting Point: -94.3°C (-137.7°F);
Flash Point: -20°C (-4°F);
Boiling Point: 56.5°C (133.7°F); **Density:** 2.0 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1090; Colorless
 Used in histology applications.



Acetone Optima™

| Quantity | Packaging | Cat. No. |
|----------|---|----------|
| 1L | Amber Glass Bottle | A929-1 |
| 4L | Amber Glass Bottle | A929-4 |
| 4L | Amber Glass Bottle/Safe-Cote™ EcoSafPak | A929SK-4 |

99.9% min by GC; 2-Propanone, Dimethyl Ketone;
 C₃H₆O; CH₃COCH₃; **F.W.** 58.08; CAS [67-64-1];
Melting Point: -94°C (-137.2°F);
Flash Point: -20°C (-4°F); Colorless;
Boiling Point: 56°C (132.8°F); **Density:** 2.0 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1090; Colorless
 Certificate of Lot Analysis included with each bottle; UV and other
 chromatograms available on request.
 High-purity and versatile solvent for HPLC, GC and pesticide residue
 analysis. High UV transmittance and low evaporation residue.
 Filtered through a 0.2µm filter to remove particulates.
 This product also meets ACS specifications.



Acetone Pesticide Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | A40-4 |

2-Propanone, Dimethyl Ketone; C₃H₆O; CH₃COCH₃;
F.W. 58.08; **CAS** [67-64-1];

Melting Point: -94°C (-137.2°F);

Flash Point: -20°C (-4°F);

Boiling Point: 56°C (132.8°F); **Density:** 2.0 (Air = 1.0);

DOT Class 3: Flammable Liquid;

UN: 1090

For pesticide residue analysis by GC-ECD. Suitable for sample prep prior to GC-ECD for environmental applications.



Acetone Spectranalyzed™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | A19-1 |
| 4L | Glass Bottle | A19-4 |

≥99.5%; 2-Propanone, Dimethyl Ketone; C₃H₆O;

CH₃COCH₃; **F.W.** 58.08; **CAS** [67-64-1];

Melting Point: -94°C (-137.2°F);

Flash Point: -20°C (-4°F);

Boiling Point: 56°C (132.8°F); **Density:** 2.0 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1090; Colorless

For use in the ultraviolet and infrared ranges.

Also meets ACS specifications.



Acetone Environmental Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 4 × 4L | Glass Bottle | AA43053M6 |

>99.5%; C₃H₆O; **F.W.** 58.08; **CAS** [67-64-1];

Melting Point: -94°C (-137.2°F); **Flash Point:** -17°C (1.4°F);

Boiling Point: 56°C (132.8°F); **Density:** 0.791g/cm³ at 20°C;

UN: 1090; Colorless

Suitable for pesticide residue analysis

Acetone Spectrophotometric Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 4 × 1L | Glass Bottle | AA32451M1 |

>99.5%; C₃H₆O; **F.W.** 58.08; **CAS** [67-64-1];

Melting Point: -94°C (-137.2°F); **Flash Point:** -17°C (1.4°F);

Boiling Point: 56°C (132.8°F); **Density:** 0.791g/cm³ at 20°C;

UN: 1090; Colorless

Meets ACS spectrophotometric requirements. Filtered through 0.2µm filters. Maximum level of impurities: Evaporation residue 3ppm, H₂O 0.50%

Acetone HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02002145 |
| 4L | Narrow Mouth Amber Glass Bottle | 02002149 |
| 4L | Narrow Mouth PVC-Coated Amber Glass Bottle | 02002150 |

(CH₃)₂CO; **F.W.** 58.08; **CAS** [67-64-1]; **Flash Point:** -20.00°C (-4°F);

Packaged under Nitrogen

Acetone BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002151 |
| 4L | Aluminum Bottle | 02002152 |
| 4L | Narrow Mouth PVC-Coated Amber Glass Bottle | 02002153 |
| 20L | Steel Pail | 02002148 |

(CH₃)₂CO; **F.W.** 58.08; **CAS** [67-64-1]; **Flash Point:** -20.00°C (-4°F);

Boiling Point: ≤56.1°C (133°F);

Meets ACS Reagent Chemical Requirements.

Acetone ULTRA RESI-ANALYZED™



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02002147 |

Propanone; C₃H₆O; **F.W.** 58.08; **CAS** [67-64-1];

Melting Point: -95° to -93°C; **Flash Point:** -20° (-4°F);

Boiling Point: 56° to 57°C (132.8 to 134.6°F); **Density:** 0.791g/cm³

Acetone



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | 14650369 |

CH₃COCH₃; **F.W.** 58.08; **CAS** [67-64-1];

Flash Point: -20°C (-4°F); ACS

Acetone ACS Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | MK244016 |

CH₃COCH₃; **F.W.** 58.08; **CAS** [67-64-1]

Acetone



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | 16101413 |
| 5 gal. | Poly Pail | 16101416 |
| 5 gal. | Metal Pail | 16101417 |
| 55 gal. | UV Poly Drum | 16101415 |

Dimethyl Ketone, 2-Propanone; C₃H₆O; **F.W.** 58.08; **CAS** [67-64-1];

Melting Point: -94°C (-137.2°F); **Flash Point:** -20°C (-4°F);

Boiling Point: 56°C (132.8°F); **Density:** 0.791g/mL at 25°C (77°F);

UN: 1090; Colorless; General purpose organic solvent.

Acetone For Electronic Use



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 4L | Glass Bottle | AC32784-0040 |

99.5%; 2-Propanone; C₃H₆O; CH₃COCH₃; **F.W.** 58.08; **CAS** [67-64-1];

Melting Point: -95.0°C (-139°F); **Flash Point:** -20°C (-4°F);

Boiling Point: 56.0°C (132.8°F); **Density:** 0.7900g/mL; **UN:** 1090; Colorless

Acetone



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Plastic Drum | AC17680-0010 |
| 2.5L | Plastic Drum | AC17680-0025 |

≥99.5%; 2-Propanone; C₃H₆O; CH₃COCH₃; **F.W.** 58.08; **CAS** [67-64-1];

Melting Point: -95.0°C (-139°F); **Flash Point:** -20°C (-4°F);

Boiling Point: 56.0°C (132.8°F); **Density:** 0.7900g/mL; **UN:** 1090; Colorless

Acetone ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|------------|--------------|
| 500mL | Metal Drum | AC42324-5000 |
| 1L | Metal Drum | AC42324-0010 |
| 4L | Metal Drum | AC42324-0040 |

99.6%; 2-Propanone; C₃H₆O; CH₃COCH₃; **FW**: 58.08; CAS [67-64-1];
Melting Point: -95.0°C (-139°F); **Flash Point**: -20°C (-4°F);
Boiling Point: 56.0°C (132.8°F); **Density**: 0.7900g/mL; **UN**: 1090;
 Colorless

Acetone Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100mL | Glass Bottle | AC32680-1000 |
| 1L | Glass Bottle | AC32680-0010 |

99.8%; 2-Propanone; C₃H₆O; CH₃COCH₃; **FW**: 58.08; CAS [67-64-1];
Melting Point: -95.0°C (-139°F); **Flash Point**: -20°C (-4°F);
Boiling Point: 56.0°C (132.8°F); **Density**: 0.7900g/mL; **UN**: 1090;
 Colorless

Acetone HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC26831-0010 |
| 2.5L | Glass Bottle | AC26831-0025 |

99.8%; 2-Propanone; C₃H₆O; CH₃COCH₃; **FW**: 58.08; CAS [67-64-1];
Melting Point: -95.0°C (-139°F); **Flash Point**: -20°C (-4°F);
Boiling Point: 56.0°C (132.8°F); **Density**: 0.7900g/mL; **UN**: 1090;
 Colorless

Acetone Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Plastic Drum | AC17717-0010 |
| 2.5L | Plastic Drum | AC17717-0025 |
| 25L | Plastic Drum | AC17717-0250 |

≥99%; 2-Propanone; C₃H₆O; CH₃COCH₃; **FW**: 58.08; CAS [67-64-1];
Melting Point: -95.0°C (-139°F); **Flash Point**: -20°C (-4°F);
Boiling Point: 56.0°C (132.8°F); **Density**: 0.7900g/mL; **UN**: 1090;
 Colorless

Acetone ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|-----------|
| 1L | Amber Glass Bottle | LC104202 |
| 4 x 4L | Amber Glass Bottle | LC1042044 |

≥99.5%; CH₃COCH₃; **FW**: 58.08; CAS [67-64-1]; **Density**: 0.79kg/m³;
DOT Class 3: Flammable Liquid; Room Temperature; Colorless

Acetone ACS Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA30698K7 |

CH₃COCH₃; **FW**: 58.08; CAS [67-64-1]

Acetone HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | LC104254 |

≥99.5%; CH₃COCH₃; **FW**: 58.08; CAS [67-64-1]; **Density**: 0.79kg/m³;
DOT Class 3: Flammable Liquid; **UN**: 1090; Colorless

Acetone HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA22928K2 |
| 4L | ---- | AA22928K7 |

>99.5%; C₃H₆O; **FW**: 58.08; CAS [67-64-1];
Melting Point: -94°C (-137.2°F); **Boiling Point**: 56°C (132.8°F);
UN: 1090; Colorless

Acetone HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002168 |

(CH₃)₂CO; **FW**: 58.08; CAS [67-64-1]; **Flash Point**: -20°C (-4°F);
 Low Water; Meets ACS Reagent Chemical Requirements.

Acetone Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5L | Plastic Drum | AC44415-0050 |
| 25L | Metal Drum | AC44415-0250 |

2-Propanone; C₃H₆O; CH₃COCH₃; **FW**: 58.08; CAS [67-64-1];
Melting Point: -95.0°C (-132.7°F); **Flash Point**: -20°C (-4°F);
Boiling Point: 56.0°C (132.8°F); **Density**: 0.7900g/mL

Acetone Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 20L | Steel Pail | A13-20 |
| 200L | Steel Drum | A13-200 |

2-Propanone; C₃H₆O; CH₃COCH₃; **FW**: 58.08; CAS [67-64-1];
 Used where purity requirements are less stringent, such as
 glassware and laboratory clean up.



Acetonitrile HPLC Grade (Far UV)



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA42880K7 |

>99.8%; Methyl cyanide; CH₃CN; **FW**: 41.05;
 CAS [75-05-8]; **Melting Point**: -48° to -45°C (-54° to -49°F);
Flash Point: 5°C (41°F);
Boiling Point: 80° to 82°C (176° to 180°F);
Density: 0.786g/cm³ at 20°C; **UN**: 1648; Colorless
 Suitable for far UV analysis

Acetonitrile HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4 x 1L | ---- | AA22927M1 |

>99.7% min.; Methyl cyanide; CH₃CN; **FW**: 41.05; CAS [75-05-8];
Melting Point: -48° to -45°C (-54° to -49°F);
Boiling Point: 80° to 82°C (176° to 180°F);
Density: 0.786g/cm³ at 20°C; **UN**: 1648; Colorless

Acetonitrile HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA42879K7 |

>99.9%; Methyl cyanide; CH₃CN; **FW**: 41.05;
 CAS [75-05-8]; **Melting Point**: -48° to -45°C (-54° to -49°F);
Flash Point: 5°C (41°F); **Boiling Point**: 80° to 82°C;
Density: 0.786g/cm³ at 20°C; **UN**: 1648; Colorless
 Suitable for gradient HPLC

Acetonitrile HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002180 |

CH₃CN; **F.W.** 41.05; CAS [75-05-8]; **Flash Point:** 2.00°C

Acetonitrile HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02002175 |
| 4L | Narrow Mouth PVC-Coated Amber Glass Bottle | 02002182 |

CH₃CN; **F.W.** 41.05; CAS [75-05-8]; **Flash Point:** 2°C

Acetonitrile ULTRA RESI-ANALYZED™



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02002176 |

CH₃CN; **F.W.** 41.05; CAS [75-05-8]

Acetonitrile BAKER ANALYZED™ LC-MS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02002171 |
| 4L | Narrow Mouth Amber Glass Bottle | 02002174 |

CH₃CN; **F.W.** 41.05; CAS [75-05-8]; **Flash Point:** 2.00°C;
Filtered through a 0.2 micron filter

Acetonitrile BAKER ANALYZED™ ULTRA LC/MS



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Flint Glass Bottle | 02002172 |
| 1L | Narrow Mouth Flint Glass Bottle | 02002173 |

Meets ACS Reagent Chemical Requirements; CH₃CN; **F.W.** 41.05; CAS [75-05-8]; **Flash Point:** 2.00°C

Acetonitrile Certified ACS Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | A21-1 |
| 4L | Glass Bottle | A21-4 |
| 20L | Steel Pail | A21-20 |
| 200L | Steel Drum | A21-200 |

Clear colorless liquid; ≥99.5%; Methyl Cyanide, Ethanenitrile; C₂H₃N; CH₃CN; **F.W.** 41.05; CAS [75-05-8]; **Melting Point:** -45°C (-49°F); **Flash Point:** 12.8°C (55°F); **Boiling Point:** 81.6°C; **Density:** 1.42 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1648; Meets or exceeds the latest ACS specifications. Actual lot analysis on label.



Acetonitrile Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | 01034-500 |

≥98.5%; Methyl Cyanide, Ethanenitrile; C₂H₃N; CH₃CN; **F.W.** 41.05; CAS [75-05-8]; **Melting Point:** -45°C (-49°F); **Flash Point:** 12.8°C (55°F); **Boiling Point:** 81.6°C (41°F) **Density:** 0.78g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1648; Suitable for nonaqueous titrations.



Acetonitrile HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|-----------|
| 1L | Glass Bottle | A998-1 |
| 1L | Glass Bottle, Safe-Cote™ | A998SK-1 |
| 2.5L | Amber Glass Bottle | A998-212 |
| 4L | Glass Bottle | A998-4 |
| 4L | Glass Bottle, Safe-Cote™ | A998SK-4 |
| 19L | NOWPak™ I | A998N1-19 |

Mobile phase for HPLC applications; Assay: 99.9% min by GC; ACN, Ethanenitrile, Methyl Cyanide; C₂H₃N; CH₃CN; **F.W.** 41.05; CAS [75-05-8]; **Melting Point:** -45°C (-49°F); **Flash Point:** 12.8°C (55°F); **Boiling Point:** 81.6°C (178.9°F); **Density:** 0.781g/mL (at 25°C); **DOT Class 3:** Flammable Liquid; **UN:** 1648; Colorless; 0.2-micron filtered. HPLC mobile phase for analytical and preparative separations. High UV transmittance and low evaporation residue. Suitable for gradient and isocratic conditions. Filtered through a 0.2µm filter to remove particulates. This product also meets ACS specifications.



Acetonitrile Optima™ LC/MS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | A955-1 |
| 4L | Glass Bottle | A955-4 |

99.9% min by GC; ACN, Ethanenitrile, Methyl Cyanide; C₂H₃N; CH₃CN; **F.W.** 41.05; CAS [75-05-8]; **Melting Point:** -45°C (-49°F); **Flash Point:** 12.8°C (55°F); **Boiling Point:** 81.6°C (178.9°F); **Density:** 1.42 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1648; Colorless
Actual Lot Analysis reported on label; Certificate of Actual Lot Analysis available on request.
Ideal mobile phase for LC/MS and UHPLC-UV applications in pharmaceutical, biotechnology, clinical, environmental and food safety industries. Novel gradient elution test with Photodiode Array Detector screens for UV-absorbing contaminants at every wavelength in the 200 to 400nm range to afford smooth baselines and to reduce interferences. Evaluated for 17 metal impurities at ppb concentrations to minimize the formation of metal adducts during analysis and simplify spectral interpretation. 0.1 micron filtration minimizes troublesome particles that may interfere with LC/MS and UHPLC system performance and provides an ideal solution to prepare cleaner, particle-free mobile phase blends. Positive mode ionization (as propazine) and negative mode ionization (as mecoprop) with ESI and Single Quadrupole MS detect organic contaminants at max 50ppb and max 300ppb, respectively.



Acetonitrile Optima™



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 1L | Glass Bottle | A996-1 |
| 4L | Glass Bottle | A996-4 |
| 4L | Glass Bottle, Safe-Cote™ | A996SK-4 |

99.9% min by GC; ACN, Ethanenitrile, Methyl Cyanide; C₂H₃N; **F.W.** 41.05; CAS [75-05-8]; **Melting Point:** -45°C (-49°F); **Flash Point:** 49°C; **Boiling Point:** 81.6°C (178.9°F); **Density:** 0.781g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1648; Colorless
High purity and versatile solvent for HPLC, GC and pesticide residue analysis. High UV transmittance and low evaporation residue. Filtered through a 0.2µm filter to remove particulates. This product also meets ACS specifications. Certificate of Lot Analysis included with each bottle; UV and other chromatograms available on request.



Acetonitrile Pesticide Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | A999-4 |

Methyl Cyanide, Ethanenitrile; C₂H₃N; CH₃CN; **F.W.** 41.05; CAS [75-05-8]; **Melting Point:** -45°C (-49°F); **Flash Point:** 12.8°C (55°F); **Boiling Point:** 81.6°C (41°F) **Density:** 1.42 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1648; Colorless
Also meets ACS specifications.



Acetonitrile ACS

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 4L | Glass Bottle | AA36423K7 |
| 4 x 4L | Glass Bottle | AA36423M6 |

>99.5%; Methyl cyanide; CH₃CN; **F.W.** 41.05; CAS [75-05-8]; **Melting Point:** -48° to -45°C (-54° to -49°F); **Flash Point:** 5°C (41°F); **Boiling Point:** 80 to 82°C (176 to 180°F); **Density:** 0.786g/cm³ at 20°C; **UN:** 1648; Colorless

Acetonitrile

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 1L | Glass Bottle | AA42311K2 |
| 4L | Glass Bottle | AA42311K7 |

>99.8%; Methyl cyanide; CH₃CN; **F.W.** 41.05; CAS [75-05-8]; **Melting Point:** -48° to -45°C (-54° to -49°F); **Flash Point:** 5°C (41°F); **Boiling Point:** 80° to 82°C (176° to 180°F); **Density:** 0.786g/cm³ at 20°C; **UN:** 1648; Colorless

Acetonitrile For HPLC



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC26827-0010 |
| 2.5L | Glass Bottle | AC26827-0025 |
| 4L | Glass Bottle | AC26827-0040 |

Clear Liquid; 99.8%; AN, Methyl cyanide; C₂H₃N; CH₃CN; **F.W.** 41.04; CAS [75-05-8]; **Melting Point:** -46.0°C (-51°F); **Flash Point:** 2°C (35.6°F); **Boiling Point:** 81.0°C to 82.0°C (177.8° to 179.6°F); **Density:** 0.7810g/mL; **UN:** 1648; Colorless

Acetonitrile Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|---|--------------|
| 100mL | AcroSeal Glass Bottle Packed in Tin Can | AC61096-1000 |

99.9%; AN, Methyl cyanide; C₂H₃N; CH₃CN; **F.W.** 41.04; CAS [75-05-8]; **Melting Point:** -46.0°C (-51°F); **Flash Point:** 2°C (35.6°F); **Boiling Point:** 81.0°C to 82.0°C (177.8° to 179.6°F); **Density:** 0.7810g/mL; **UN:** 1648; Colorless

Acetonitrile Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|---|--------------|
| 1L | AcroSeal Glass Bottle Packed in Tin Can | AC61022-0010 |

99.9%; AN, Methyl cyanide; C₂H₃N; CH₃CN; **F.W.** 41.04; CAS [75-05-8]; **Melting Point:** -46.0°C (-51°F); **Flash Point:** 2°C (35.6°F); **Boiling Point:** 81.0°C to 82.0°C; **Density:** 0.7810g/mL; **UN:** 1648

Acetonitrile For HPLC



| Quantity | Packaging | Cat. No. |
|----------|-----------|--------------|
| 4L | EcoSafPak | AC61001-0040 |

AN, Methyl cyanide; C₂H₃N; CH₃CN; **F.W.** 41.04; CAS [75-05-8]; **Melting Point:** -46.0°C (-51°F); **Flash Point:** 2°C (35.6°F); **Boiling Point:** 81.0°C to 82.0°C; **Density:** 0.7810g/mL; **UN:** 1648

Acetonitrile



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5L | Glass Bottle | AC61514-0025 |

AN, Methyl cyanide; C₂H₃N; CH₃CN; **F.W.** 41.04; CAS [75-05-8]; **Melting Point:** -46°C (-51°F); **Flash Point:** 2°C (35.6°F); **Boiling Point:** 81.0° to 82.0°C; **Density:** 0.7810g/mL

Acetonitrile BAKER ANALYZED™ LC-MS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02002074 |
| 4L | Narrow Mouth Amber Glass Bottle | 02002075 |

ACN, FA; CAS [75-05-8, 64-18-6]; 0.1% Formic Acid; **Flash Point:** 2°C (35.6°F); Filtered through a 0.2 micron filter

Acetonitrile BAKER ANALYZED™ LC-MS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02002169 |
| 4L | Narrow Mouth Amber Glass Bottle | 02002170 |

ACN, TFA; CAS [76-05-1, 75-05-8]; 0.1% Trifluoroacetic Acid; **Flash Point:** 2°C (35.6°F); Filtered through a 0.2 micron filter

Acetonitrile



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | 16101404 |
| 5 gal. | Metal Pail | 16101406 |

ACN, Methyl Cyanide, Cyanomethane; C₂H₃N; **F.W.** 41.05; CAS [75-05-8]; **Melting Point:** -45.7°C (-50.26°F); **Flash Point:** 6°C (42.8°F); **Boiling Point:** 81.6°C (178.9°F); **Density:** 0.79g/mL at 20°C (77 °F); **UN:** 1648; Colorless
General purpose organic solvent

Acetonitrile UHPLC-MS Optima™



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Clear Borosilicate Glass Bottle | A956-1 |

99.9% minimum by GC; C₂H₃N; CAS [75-05-8]; Fisher Chemical UHPLC-MS solvents have an UHPLC-UV Gradient Suitability specification which covers the full 200-400 nm range ideal for dual detection. Ideal mobile phase for UHPLC-MS applications in pharmaceutical, biotechnology, clinical, environmental and food industries



Acetonitrile w/0.1% Formic Acid (v/v) HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | HB9823-4 |

ACN, FA; ≥98.5%; CAS [75-05-8, 64-18-6]; **Flash Point:** 6°C (41°F); **Density:** 0.78g/mL



Acetonitrile w/0.05% Trifluoroacetic Acid (v/v) HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | HB9812-4 |

ACN, TFA; CAS [76-05-1, 75-05-8]; **Flash Point:** 6°C (43°F);



Acetonitrile w/0.1% Trifluoroacetic Acid (v/v) HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | HB9813-4 |

ACN, TFA; C₂H₃N; **F.W.** 41.04; CAS [76-05-1, 75-05-8]; **Melting Point:** -50°C; **Flash Point:** 6°C (41°F); **Boiling Point:** 82°C (180°F); **Density:** 1.42 (Air = 1.0); Blended HPLC mobile phase for analytical and preparative separations. High UV transmittance. Suitable for gradient and isocratic conditions.



Alcohol HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | A995-4 |

99.8% min by GC; Ethanol, Ethyl Alcohol, Denatured Alcohol; CAS [67-56-1, 64-17-5, 67-63-0]; **Melting Point:** -114.11°C (-173.4°F); **Flash Point:** 12.8°C (55°F); **Boiling Point:** 78.50°C; **Density:** 1.24 (Air=1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1987; Clear HPLC mobile phase for analytical and preparative separations. Anhydrous Ethyl Alcohol 90% ±1% v/v; Methyl Alcohol approx. 5% v/v; 2-Propanol approx. 5% v/v. High UV transmittance and low evaporation residue. Filtered through a 0.5µm filter to remove particulates.



Alcohol PHOTREX™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002216 |

Alcohol, Anhydrous; **Flash Point:** 13.00°C (55.40°F); Contains 0.075% Butylated Hydroxytoluene as a stabilizer. Meets ACS Reagent Chemical Requirements

Alcohol BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002217 |
| 4L | Poly Bottle | 02002219 |
| 4L | Narrow Mouth PVC-Coated Amber Glass Bottle | 02002220 |
| 4L | Aluminum Bottle | 02002218 |

Alcohol, Anhydrous; **Flash Point:** 13.00°C (55.40°F); Meets ACS Reagent Chemical Requirements

Alcohol, Reagent Histological Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|------------|
| 1 gal. | Poly Bottle | A962F-1GAL |
| 4L | Glass Bottle | A962-4 |
| 4L | Poly Bottle | A962P-4 |
| 4L | Aluminum Can | A962S-4 |
| 200L | Steel Drum | A962-200 |

Ethanol (88 to 91%), Methanol (4.0 to 5.0% v/v), Isopropyl Alcohol (4.5 to 5.5%); CAS [64-17-5, 67-63-0, 67-56-1]; **Melting Point:** -114.11°C (-173.4°F); **Flash Point:** 12.8°C (55°F); **Boiling Point:** 78.50°C (173.3°F); **Density:** 1.24 (Air=1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1170; Clear Specially filtered for use in tissue processors. Maximum container size is 4 liters, under government regulations.



Alcohol, Reagent



| Quantity | Packaging | Cat. No. |
|----------|--|-----------|
| 1L | Poly Natural Bottle | 25467032 |
| 4L | Amber Glass Bottle, Safety Coated Bottle | 2546701SC |
| 4L | Poly Natural Bottle | 2546701 |
| 10L | Cubitainer™ | 25467025 |
| 20L | Cubitainer™ | 2546705 |

70% (v/v); Clear colorless liquid; CAS [64-17-5, 7732-18-5, 67-63-0, 67-56-1]; **Melting Point:** Approx. -50°C (-58°F); **Boiling Point:** Approx. 93°C (199°F); Denatured Alcohol

Alcohol, Reagent ACS Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 500mL | Poly Natural Bottle | 659016 |
| 4L | Poly Natural Bottle | 65901 |

CAS [64-17-5, 67-63-0, 67-56-1]; Denatured alcohol; Absolute, Anhydrous

1-Butanol Certified ACS Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A399-500 |
| 1L | Glass Bottle | A399-1 |
| 4L | Glass Bottle | A399-4 |
| 4L | Aluminum Can | A399S-4 |
| 20L | Steel Pail | A399-20 |

≥99.4%; n-Butyl Alcohol, Butyl Alcohol; C₄H₁₀O; CH₃CH₂CH₂CH₂OH; **F.W.** 74.12; CAS [71-36-3]; **Melting Point:** -89.5°C (-129.1°F); **Flash Point:** 35°C (95°F); **Boiling Point:** 116°C (241°F); **Density:** 2.6 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1120; Colorless Meets or exceeds latest ACS specifications. Actual lot analysis on label. Suitable for fluorometric analysis.



1-Butanol HPLC Grade

F

| Quantity | Packaging | Cat. No. |
|----------|---|----------|
| 1L | Amber Glass Bottle, EcoSafPak™ | A383-1 |
| 1L | Amber Glass Bottle/Safe-Cote™ | A383SK-1 |
| 4L | Amber Glass Bottle EcoSafPak™ | A383-4 |
| 4L | Amber Glass Bottle/Safe-Cote™, EcoSafPak™ | A383SK-4 |

≥99.4%; n-Propyl Carbinol, n-Butyl Alcohol; C₄H₁₀O; CH₃CH₂CH₂CH₂OH; F.W. 74.12; CAS [71-36-3];

Melting Point: -89.5°C (-129.1°F);

Flash Point: 35°C (95°F);

Boiling Point: 116°C (241°F) **Density:** 2.6 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1120; Colorless

Also meets ACS specifications.



1-Butanol Technical Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | A398-4 |

n-Butyl Alcohol; C₄H₁₀O; CH₃CH₂CH₂CH₂OH;

F.W. 74.12; CAS [71-36-3];

Melting Point: -89.5°C (-129.1°F);

Flash Point: 35°C (96°F);

Boiling Point: 116°C (241°F) **Density:** 2.6 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1120



1-Butanol HPLC Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA22925K2 |
| 4L | ---- | AA22925K7 |

99%; CH₃(CH₂)₃OH; F.W. 74.12; CAS [71-36-3];

Melting Point: -90° to -89°C (-130° to -128°F); **Flash Point:** 35°C (95°F);

Boiling Point: 117° to 118°C (242° to 244°F); **Density:** 0.810g/mL;

UN: 1120

Filtered through 0.2µm filters

sec-Butanol Certified

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | 01664-1 |
| 4L | Glass Bottle | 01664-4 |

sec-Butyl Alcohol, 2-Butanol; C₄H₁₀O;

CH₃CHOHCH₂CH₃; F.W. 74.12; CAS [78-92-2];

Melting Point: -115°C (-175°F); **Flash Point:** 23°C;

Boiling Point: 99.5°C; **Density:** 0.81g/mL;

DOT Class 3: Flammable Liquid; **UN:** 1120



tert-Butanol Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | A401-500 |
| 1L | Poly Bottle | A401-1 |

tert-Butyl Alcohol; 2-Methyl-2-propanol,

Trimethyl Carbinol; C₄H₁₀O; (CH₃)₃COH; F.W. 74.12;

CAS [75-65-0]; **Melting Point:** 25° to 25.5°C

(77° to 77.9°F); **Flash Point:** 11°C;

Boiling Point: 83°C; **Density:** 2.6 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1120



tert-Butanol Extra Pure

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 1L | Plastic Bottle | AC10771-0010 |
| 2.5L | Plastic Bottle | AC10771-0025 |

99.5%; tert-Butyl Alcohol, 2-Methyl-2-Propanol; C₄H₁₀O; (CH₃)₃COH;

F.W. 74.12; CAS [75-65-0]; **Melting Point:** 25.0° to 25.5°C;

Flash Point: 11°C; **Boiling Point:** 83.0°C; **Density:** 0.7800g/mL;

UN: 1120

2-Butanone ACS

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA39119K7 |

>99%; Methyl ethyl ketone, MEK; C₄H₈O; F.W. 72.11; CAS [78-93-3];

Melting Point: -87°C (-125°F); **Flash Point:** -3°C (27°F);

Boiling Point: 80°C (176°F); **Density:** 0.805g/cm³ at 20°C; **UN:** 1193;

Colorless;

Maximum level of impurities: Color (APHA) 15, Residue after

evaporation 0.0025%, Titratable acid 0.0005meq/g, H₂O 0.20%

tert-Butyl Alcohol ACS Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA33278K2 |
| 4 × 1L | ---- | AA33278M1 |
| 4L | ---- | AA33278K7 |

Liquid; >99+%; 2-Methyl-2-Propanol; tert-Butanol; C₄H₁₀O; F.W. 74.12;

CAS [75-65-0]; **Melting Point:** 25°C; **Flash Point:** 11°C;

Boiling Point: 83°; **Density:** 0.786g/mL; For ACS analysis

Carbon Disulfide

Afa Aesar

| Quantity | Packaging | Cat. No. |
|-----------|-----------|-----------|
| 4 × 500mL | ---- | AA40910AY |

99.9%; CS₂; F.W. 76.14; CAS [75-15-0];

Melting Point: -112°C (-170°F); **Flash Point:** -30°C;

Boiling Point: 46°C (41°F) **Density:** 1.2632g/mL

Carbon Disulfide Certified ACS Reagent Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 500mL | Amber Glass Bottle | C184-500 |
| 2.5L | Glass Bottle | C184-212 |

≥99.9%; Carbon Bisulfide; CS₂; F.W. 76.14;

CAS [75-15-0]; **Melting Point:** -111°C (-168°F);

Flash Point: -30°C (-22°F);

Boiling Point: 46°C (115°F) **Density:** 1.26g/mL;

DOT Class 3: Flammable Liquid; **UN:** 1131



Carbon Disulfide Spectranalyzed™

F

| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 500mL | Amber Glass Bottle | C573-500 |

≥99.9%; Carbon Bisulfide; CS₂; F.W. 76.14;

CAS [75-15-0]; **Melting Point:** -111°C (-168°F);

Flash Point: -30°C (-22°F);

Boiling Point: 46°C (115°F) **Density:** 1.26g/mL;

DOT Class 3: Flammable Liquid; **UN:** 1131

For use in ultraviolet and infrared spectroscopy.

Also meets ACS specifications.



Carbon Disulfide ULTRA RESI-ANALYZED™



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|----------|
| 500mL | Clear PVC-Coated Glass Bottle | 02002801 |

CS₂; FW. 76.13; CAS [75-15-0]; **Flash Point:** -30.00°C (-22.00°F)

Carbon Disulfide ACS Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500mL | ---- | AA39785AP |

Liquid; 99.9+%; CS₂; FW. 76.14; CAS [75-15-0];
Melting Point: -112°C (-170°F); **Flash Point:** -30°C (-22°F);
Boiling Point: 46°C (115°F)

Carbon Disulfide ACS



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 2L | ---- | AA39785K3 |

>99.9%; CS₂; FW. 76.14; CAS [75-15-0];
Melting Point: -111.5°C (-169°F); **Flash Point:** -30°C (-22°F);
Boiling Point: 46.3°C (115°F); **Density:** 1.263g/cm³ at 20°C;
UN: 1131; Colorless;
 Maximum level of impurities: Color (APHA) 10, Evaporation Residue 0.002%, Hydrogen sulfide (H₂S) P.T. (limit about 1.5ppm, Sulfur dioxide (SO₂) P.T. (limit about 2.5ppm), H₂O 0.05%

Carbon Disulfide



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA32472K2 |

99.9+%; CS₂; FW. 76.14; CAS [75-15-0]; **Melting Point:** -112°C (-170°F);
Flash Point: -30°C (-22°F); **Boiling Point:** 46° (115°F);
Density: 1.2632g/mL

Chlorobenzene Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | B255-500 |
| 1L | Glass Bottle | B255-1 |

Monochlorobenzene, Benzene Chloride; C₆H₅Cl;
FW. 112.56; CAS [108-90-7];
Melting Point: -45°C (-49°F);
Flash Point: 23°C (73°F);
Boiling Point: 131°C (268°F); **Density:** 3.9 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1134



Chlorobenzene Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | B254-4 |
| 20L | Steel Pail | B254-20 |

Monochlorobenzene, Benzene Chloride; C₆H₅Cl;
FW. 112.56; CAS [108-90-7];
Melting Point: -45°C (-49°F);
Flash Point: 23°C (73°F);
Boiling Point: 131°C (268°F); **Density:** 3.9 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1134



Chlorobenzene ACS Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | MK44194 |

C₆H₅Cl; FW. 112.56; CAS [108-90-7]

Chloroform HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02002578 |
| 4L | Narrow Mouth PVC-Coated Amber Glass Bottle | 02002583 |

CHCl₃; FW. 119.38; CAS [67-66-3]
 Meets ACS Reagent Chemical Requirements.

Chloroform BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002584 |

CHCl₃; FW. 119.38; CAS [67-66-3]
 Meets ACS Reagent Chemical Requirements.

Chloroform Certified ACS Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 500mL | Glass Bottle | C298-500 |
| 1L | Glass Bottle | C298-1 |
| 4L | Glass Bottle | C298-4 |
| 4L | Glass Bottle/Safe-Cote™ | C298SK-4 |
| 4L | Aluminum Can | C298S-4 |
| 200L | Steel Drum | C298-200 |

>99.8%; Trichloromethane; CHCl₃;
FW. 119.38; CAS [67-66-3, 64-17-5];
Melting Point: -63°C (-81°F);
Boiling Point: 60.5° to 61.5°C (140.9° to 142.7°F);
Density: 4.12 (Air = 1.0); **DOT Class 6.1:** Poison; **UN:** 1888
 Meet or exceeds the latest ACS specifications. Actual lot analysis on label.



Chloroform HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 1L | Glass Bottle | C606-1 |
| 1L | Glass Bottle/Safe-Cote™ | C606SK-1 |
| 4L | Glass Bottle | C606-4 |
| 4L | Glass Bottle/Safe-Cote™ | C606SK-4 |

Mobile phase for HPLC applications;
 99.8% min by GC; Trichloromethane; CHCl₃;
FW. 119.38; CAS [67-66-3, 64-17-5];
Melting Point: -63°C (-81°F);
Boiling Point: 60.5° to 61.5°C (140.9° to 142.7°F); **Density:** 4.12 (Air = 1.0);
DOT Class 6.1: Poison; **UN:** 1888



HPLC mobile phase for analytical and preparative separations
 High UV transmittance and low evaporation residue
 Suitable for gradient and isocratic conditions
 Filtered through sub-micron filter to remove particulates
 Stabilized with ca. 0.75% ethanol; This product also meets ACS specifications.

Chloroform Spectranalyzed™



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 1L | Glass Bottle | C574-1 |
| 4L | Glass Bottle | C574-4 |
| 4L | Glass Bottle/Safe-Cote™ | C574SK-4 |

>99.8%; Trichloromethane; CHCl₃; **FW.** 119.38;
 CAS [67-66-3, 64-17-5]; **Melting Point:** -63°C (-81°F);
Boiling Point: 60.5° to 61.5°C (140.9° to 142.7°F);
Density: 4.12 (Air = 1.0); **DOT Class 6.1:** Poison;
UN: 1888
 Also meets ACS specifications



Chloroform Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | C295-4 |
| 20L | Steel Pail | C295-20 |

Trichloromethane; CHCl₃; **F.W.** 119.38; CAS [67-66-3, 64-17-5]; **Melting Point:** -63°C (-81°F); **Boiling Point:** 60.5° to 61.5°C (140.9° to 142.7°F); **Density:** 4.12 (Air = 1.0); **DOT Class 6.1:** Poison; **UN:** 1888

SOLVENT

Chloroform Optima™



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | C297-4 |

99.9% min by GC; Trichloromethane; CHCl₃; **F.W.** 119.38; CAS [67-66-3, 513-35-9]; **Melting Point:** -63°C (-81°F); **Boiling Point:** 60.5° to 61.5°C (140.9° to 142.7°F); **Density:** 1.49g/mL; **DOT Class 6.1:** Poison; **UN:** 1888; High purity and versatile solvent for HPLC, GC and pesticide residue analysis. High UV transmittance and low evaporation residue. Filtered through a sub-micron filter to remove particulates. Packaged under nitrogen. This product also meets ACS specifications. Stabilized with 50ppm amylene. Certificate of Lot Analysis included with each bottle; UV and other chromatograms available on request.

SOLVENT

Chloroform HPLC



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 1L | Glass Bottle | C607-1 |
| 1L | Glass Bottle/Safe-Cote™ | C607SK-1 |
| 4L | Glass Bottle | C607-4 |
| 4L | Glass Bottle/Safe-Cote™ | C607SK-4 |

99.8% min by GC; Trichloromethane; CHCl₃; **F.W.** 119.38; CAS [67-66-3, 513-35-9]; **Melting Point:** -63°C (-81°F); **Boiling Point:** 60.5° to 61.5°C (140.9° to 142.7°F); **Density:** 4.12 (Air = 1.0); **DOT Class 6.1:** Poison; **UN:** 1888 HPLC mobile phase for analytical and preparative separations. High UV transmittance and low evaporation residue. Suitable for gradient and isocratic conditions. Filtered through sub-micron filter to remove particulates. Stabilized with ca. 50ppm amylene; This product also meets ACS specifications.

SOLVENT

Chloroform Pesticide Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | C603-4 |

Trichloromethane; CHCl₃; **F.W.** 119.38; CAS [67-66-3, 513-35-9]; **Melting Point:** -63°C (-81°F); **Boiling Point:** 60.5° to 61.5°C (140.9° to 142.7°F); **Density:** 4.12 (Air = 1.0); **DOT Class 6.1:** Poison; **UN:** 1888 With 150-200ppm amylene as preservative.

SOLVENT

Chloroform ACS Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | MK44404 |

CHCl₃; **F.W.** 119.38; CAS [67-66-3]

Chloroform Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 500mL | AcroSeal™ Glass Bottle | AC36432-5000 |

99.9%; CHCl₃; **F.W.** 119.38; CAS [67-66-3, 513-35-9]; **Melting Point:** -63.0°C (-81°F); **Boiling Point:** 61.0°C (142°F); **Density:** 1.4800g/mL; **UN:** 1888

Chloroform Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|--|--------------|
| 100mL | AcroSeal™ Glass Bottle Packed in Tin Can | AC61028-1000 |

99.9%; CHCl₃; **F.W.** 119.38; CAS [67-66-3]; **Melting Point:** -63.0°C (-81°F); **Boiling Point:** 61.0°C (142°F); **Density:** 1.4800g/mL; **UN:** 1888

Chloroform Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Plastic Drum | AC15821-0010 |
| 2.5L | Glass Bottle | AC15821-0025 |

≥99%; CHCl₃; **F.W.** 119.38; CAS [67-66-3, 64-17-5]; **Melting Point:** -63.0°C (-81°F); **Boiling Point:** 61.0°C (142°F); **Density:** 1.4800g/mL; **UN:** 1888

Chloroform ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | LC130402 |

Liquid; ≥99.8%; CHCl₃; **F.W.** 119.38; CAS [67-66-3, 64-17-5]; **Melting Point:** -64°C (-83°F); **Boiling Point:** 61°C; **Density:** 1490kg/m³; **DOT Class 6.1:** Poison; **UN:** 1888

Chloroform ACS Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA32614K2 |
| 4L | ---- | AA32614K7 |
| 4 × 4L | ---- | AA32614M6 |

>99.8%; Trichloromethane; CHCl₃; **F.W.** 119.38; CAS [67-66-3]; **Melting Point:** -63°C (-81°F); **Boiling Point:** 60.5° to 61.5°C (140.9° to 142.7°F); **Density:** 1.492 g/mL

Chloroform HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|--------------|
| 4L | Glass Bottle, EcoSafPak | AC61003-0040 |

CHCl₃; **F.W.** 119.38; CAS [67-66-3 (Chloroform), 64-17-5 (Ethyl alcohol)]; **Melting Point:** -63.0°C (-81°F); **Boiling Point:** 61.0°C; **Density:** 1.4800g/mL; **UN:** 1888

Chloroform HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002593 |

CHCl₃; **F.W.** 119.38; CAS [67-66-3]; Hydrocarbon Stabilized

Chloroform For Spectroscopy



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Glass Bottle | AC40463-5000 |

99.8%; CHCl₃; **FW.** 119.38; CAS [67-66-3, 64-17-5];
Melting Point: -63.0°C (-81°F); **Boiling Point:** 61.0°C (142°F);
Density: 1.4800g/mL; **UN:** 1888

Chloroform HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA22920K7 |

Liquid; >99.5%; CHCl₃; **FW.** 119.38; CAS [67-66-3];
Melting Point: -63°C (-81°F); **Boiling Point:** 60.5° to 61.5°C;
Density: 1.492g/cm³ at 20°C; **UN:** 1888; Colorless
 Filtered through 0.2µm filters. Maximum level of impurities:
 Evaporation residue 3ppm, Chlorinated pesticides 5ppt, H₂O 0.03%

Chloroform/Isoamyl Alcohol 24:1(v/v) Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Glass Bottle | AC32715-5000 |

CAS [67-66-3, 67-66-3, 123-51-3]; **UN:** 2810

Cyclohexane ULTRA RESI-ANALYZED™



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002675 |

C₆H₁₂; **FW.** 84.16; CAS [110-82-7]; **Flash Point:** -18.00°C

Cyclohexane HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002676 |

C₆H₁₂; **FW.** 84.16; CAS [110-82-7]; **Flash Point:** -18.00°C;
Boiling Point: 39.5°C (typical); **Density:** 1.318g/mL at 25°C (typical)

Cyclohexane Certified ACS Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | C556-500 |
| 1L | Glass Bottle | C556-1 |
| 4L | Glass Bottle | C556-4 |

≥99.0%; Hexahydrobenzene; C₆H₁₂; CH₂(CH₂)₄CH₂;
FW. 84.16; CAS [110-82-7];
Melting Point: 6.5°C (44°F); **Flash Point:** -18°C;
Boiling Point: 80.7°C; **Density:** 2.90 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1145



Cyclohexane HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|----------|
| 1L | Amber Glass Bottle | C620-1 |
| 1L | Amber Glass Bottle/Safe-Cote™ | C620SK-1 |
| 4L | Amber Glass Bottle | C620-4 |
| 4L | Amber Glass Bottle/Safe-Cote™ | C620SK-4 |

99.0% min by GC; Hexahydrobenzene;
 C₆H₁₂; CH₂(CH₂)₄CH₂; **FW.** 84.16; CAS [110-82-7];
Melting Point: 6.5°C (44°F); **Flash Point:** -18°C;
Boiling Point: 80.7°C; **Density:** 2.90 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1145;
 HPLC mobile phase for analytical and preparative separations.
 High UV transmittance and low evaporation residue.
 Filtered through a sub-micron filter to remove particulates.
 This product also meets ACS specifications.



Cyclohexane Pesticide Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | C553-4 |

Hexahydrobenzene; C₆H₁₂; CH₂(CH₂)₄CH₂; **FW.** 84.16;
 CAS [110-82-7]; **Melting Point:** 6.5°C (44°F);
Flash Point: -18°C; **Boiling Point:** 80.7°C;
Density: 2.90 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1145



Cyclohexane Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | 02093-4 |
| 20L | Steel Pail | 02093-20 |

Hexahydrobenzene; C₆H₁₂; CH₂(CH₂)₄CH₂; **FW.** 84.16;
 CAS [110-82-7]; **Melting Point:** 6.5°C (44°F);
Flash Point: -18°C; **Boiling Point:** 80.7°C;
Density: 2.90 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1145



Cyclohexane Spectranalyzed™



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | C555-1 |
| 4L | Amber Glass Bottle | C555-4 |

≥99.0%; Hexahydrobenzene; C₆H₁₂; CH₂(CH₂)₄CH₂;
FW. 84.16; CAS [110-82-7];
Melting Point: 6.5°C (44°F); **Flash Point:** -18°C;
Boiling Point: 80.7°C; **Density:** 2.90 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1145
 For use in the ultraviolet and infrared ranges.
 Also meets ACS specifications.



Cyclohexane ACS



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA22864K7 |

Liquid; >99%; C₆H₁₂; **FW.** 84.16; CAS [110-82-7];
Melting Point: 6.5°C (44°F); **Flash Point:** -18°C;
Boiling Point: 80° to 81°C (176° to 178°F); **Density:** 0.779g/cm³;
UN: 1145; Colorless
 Maximum level of impurities: Color (APHA), 10 Evaporation residue
 0.002%, Substances darkened by sulfuric acid P.T., H₂O 0.02%.

Cyclohexane Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10L | Plastic Drum | AC21057-0100 |

99.5%; **FW.** 84.15; CAS [110-82-7]; **Melting Point:** 6.5°C;
Flash Point: -18°C; **Boiling Point:** 81.0°C; **Density:** 0.7700g/mL

Cyclohexanone Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | 02109-1 |
| 4L | Glass Bottle | 02109-4 |

≥98%; Keto-hexamethylene, Pimelic Ketone; C₆H₁₀O; **FW.** 98.14; CAS [108-94-1]; **Melting Point:** -47°C;
Flash Point: 42°C; **Boiling Point:** 155°C; **Density:** 0.95g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1915



Cyclohexanone Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | C550-4 |

Keto-hexamethylene, Pimelic Ketone; C₆H₁₀O; CH₂(CH₂)₄CO; **FW.** 98.14; CAS [108-94-1]; **Melting Point:** -47°C;
Flash Point: 42°C; **Boiling Point:** 155°C; **Density:** 0.95g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1915



Cyclohexanone

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 2.5L | ---- | AAA156070F |

Liquid; ≥99%; C₆H₁₀O; **FW.** 98.15; CAS [108-94-1]; **Melting Point:** -26°C (41°F) **Flash Point:** 47°C;
Boiling Point: 154° to 156°C; **Density:** 0.9478 g/mL

1,2-Dichloroethane Certified ACS Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | E175-500 |
| 4L | Glass Bottle | E175-4 |
| 20L | Steel Pail | E175-20 |

≥99%; Ethylene Dichloride, Ethylene Chloride; C₂H₄Cl₂; **FW.** 98.96; CAS [107-06-2]; **Melting Point:** -35°C; **Flash Point:** 13°C;
Boiling Point: 81° to 85°C (177.8° to 185°F); **Density:** 3.4 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1184



1,2-Dichloroethane Spectranalyzed™



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | E190-4 |

≥99%; Ethylene Dichloride, Ethylene Chloride; C₂H₄Cl₂; **FW.** 98.96; CAS [107-06-2]; **Melting Point:** -35°C; **Flash Point:** 13°C;
Boiling Point: 81° to 85°C (177.8° to 185°F); **Density:** 3.4 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1184
 Suitable for use in ultraviolet spectrophotometry.
 Also meets ACS specifications



Dichloromethane



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | 16101410 |

Liquid; DCM, Methylene Dichloride, Methylene Chloride; CH₂Cl₂; **FW.** 84.93; CAS [75-09-2]; **Melting Point:** -97°C (-142°F);
Boiling Point: 40°C (104°F); **Density:** 1.325g/mL at 25°C (77°F); **UN:** 1593; Colorless, Clear; Slightly soluble
 General purpose solvent use.

Dichloromethane Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 1L | AcroSeal™ Glass Bottle | AC61030-0010 |

99.9%; Methylene Chloride; CH₂Cl₂; **FW.** 84.93; CAS [75-09-2, 513-35-9]; **Melting Point:** -97.0°C; **Boiling Point:** 39.0°C to 40.0°C;
Density: 1.3250g/mL; **UN:** 1593

Dichloromethane Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 1L | Glass Bottle | AC38378-0010 |
| 2.5L | Glass Bottle | AC38378-0025 |
| 5L | Plastic Bottle | AC38378-0050 |
| 25L | Metal Drum | AC38378-0250 |

≥99%; Methylene Chloride; CH₂Cl₂; **FW.** 84.93; CAS [75-09-2, 513-35-9]; **Melting Point:** -97.0°C; **Boiling Point:** 39.0° to 40.0°C;
Density: 1.3250g/mL

Dichloromethane Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|---|--------------|
| 100mL | AcroSeal Glass Bottle Packed in Tin Can | AC61093-1000 |

99.9%; Methylene Chloride; CH₂Cl₂; **FW.** 84.93; CAS [75-09-2, 513-35-9]; **Melting Point:** -97.0°C; **Boiling Point:** 39.0°C to 40.0°C;
Density: 1.3250g/mL; **UN:** 1593

Dichloromethane HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|--------------|
| 4L | EcoSafPak | AC61005-0040 |

Methylene Chloride; CH₂Cl₂; **FW.** 84.93; CAS [75-09-2, 513-35-9]; **Melting Point:** -97.0°C; **Boiling Point:** 39.0°C to 40.0°C;
Density: 1.3250g/mL; **UN:** 1593

Dichloromethane

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250mL | ---- | AA41835AK |
| 1L | ---- | AA41835K2 |

>99.7%; CH₂Cl₂; **FW.** 84.93; CAS [75-09-2]; **Melting Point:** -95°C (-139°F);
Boiling Point: 39° to 40°C (102° to 104°F); **Density:** 1.325g/cm³ at 20°C; **UN:** 1593; Colorless;
 Solvent for anhydrous reactions, water <0.01%.

Dichloromethane Environmental Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4 × 4L | ---- | AA42006M6 |

>99.8%; CH₂Cl₂; **FW.** 84.93; **CAS** [75-09-2];
Melting Point: -95°C (-139°F);
Boiling Point: 39° to 40°C (102° to 104°F); **Density:** 1.325g/cm³ at 20°C;
UN: 1593; Colorless
 Maximum level of impurities: Color (APHA) 10, Cl 10ppm, Halogenated residue 10ng/L heptachlorepoide. Evaporation residue 3ppm, H₂O 0.02%. Suitable for pesticide residue analysis.

Dichloromethane HPLC Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA22917K7 |

>99.7%; CH₂Cl₂; **FW.** 84.93; **CAS** [75-09-2];
Melting Point: -95°C (-139°F); **Boiling Point:** 39° to 40°C;
Density: 1.325g/cm³ at 20°C; **UN:** 1593; Colorless
 Filtered through 0.2µm filters. Maximum level of impurities:
 Evaporation residue 3ppm, Chlorinated pesticides 5ppt, H₂O 0.02%, Free halogens P.T.

Diethyl Ether Spectrophotometric Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4 × 1L | ---- | AA40976M1 |
| 4L | ---- | AA40976K7 |

>99%; Ether, Ethyl ether; C₄H₁₀O;
FW. 74.12; **CAS** [60-29-7]; **Melting Point:** -116°C (-177°F);
Flash Point: -45°C; **Boiling Point:** 34.6°C (94°F);
Density: 0.713g/cm³ at 20°C; **UN:** 1155; Colorless;
 Solvent for UV spectrophotometric and general use.

Diethyl Ether ACS Reagent Grade

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Aluminum Can | AC61508-5000 |
| 1mL | Aluminum Can | AC61508-0010 |
| 4L | Aluminum Can | AC61508-0040 |
| 20L | Steel Pail | AC61508-0200 |

Ether, Ethyl ether; C₄H₁₀O; (CH₃CH₂)₂O; **FW.** 74.12; **CAS** [60-29-7];
Melting Point: -116.0°C; **Flash Point:** -45°C;
Boiling Point: 34.6°C (41°F) **Density:** 0.7140g/mL; **UN:** 1155

Diethyl Ether HPLC Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA38990K2 |
| 4L | ---- | AA38990K7 |

99%; (C₂H₅)₂O; **FW.** 74.12; **CAS** [60-29-7];
Melting Point: -116°C (-177°F); **Flash Point:** -45°C;
Boiling Point: 34.6°C (41°F) **Density:** 0.713g/mL

Diethyl Ether

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC17682-0010 |

99.5%; Ether, Ethyl Ether; C₄H₁₀O; (CH₃CH₂)₂O; **FW.** 74.12;
CAS [60-29-7]; **Melting Point:** -116.0°C; **Flash Point:** -45°C;
Boiling Point: 34.6°C (41°F) **Density:** 0.7140g/mL; **UN:** 1155

Diethyl Ether Extra Pure

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC17683-0010 |
| 5L | Metal Drum | AC17683-0050 |

≥99%; Ether, Ethyl ether; C₄H₁₀O; (CH₃CH₂)₂O; **FW.** 74.12; **CAS** [60-29-7];
Melting Point: -116.0°C; **Flash Point:** -45°C;
Boiling Point: 34.6°C (41°F) **Density:** 0.7140g/mL; **UN:** 1155

Diethyl Ether Pure

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC12399-0010 |
| 5L | Metal Drum | AC12399-0050 |

≥99%; Ether, Ethyl ether; C₄H₁₀O; (CH₃CH₂)₂O; **FW.** 74.12; **CAS** [60-29-7];
Melting Point: -116.0°C; **Flash Point:** -45°C;
Boiling Point: 34.6°C (41°F) **Density:** 0.7140g/mL; **UN:** 1155

Dimethyl Sulfoxide

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|-----------|-----------|-----------|
| 100mL | ---- | AA43998AE |
| 4 × 100mL | ---- | AA439985Y |
| 1L | ---- | AA43998K2 |

>99.8%; (CH₃)₂SO; **FW.** 78.13; **CAS** [67-68-5];
Melting Point: 18.4°C (65°F); **Flash Point:** 87°C;
Boiling Point: 189°C; **Density:** 1.101g/cm³ at 20°C; Colorless

Dimethyl Sulfoxide HPLC Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA22914K2 |
| 4 × 1L | ---- | AA22914M1 |
| 4L | ---- | AA22914K7 |

>99.9%; (CH₃)₂SO; **FW.** 78.13; **CAS** [67-68-5];
Melting Point: 18.4°C (65°F); **Flash Point:** 87°C;
Boiling Point: 189°C (372°F); **Density:** 1.101g/cm³; Colorless
 Maximum level of impurities: Evaporation residue 5ppm, H₂O 0.1%.

Dimethyl Sulfoxide BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002732 |

(CH₃)₂SO; **FW.** 78.13; **CAS** [67-68-5]; **Flash Point:** 89.00°C;
Density: 1.092g/mL at 25°C (typical)
 Meets ACS Reagent Chemical Requirements.

Dimethyl Sulfoxide Certified ACS Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | D128-500 |
| 1L | Glass Bottle | D128-1 |
| 4L | Glass Bottle | D128-4 |

≥99.9%; Methyl Sulfoxide, DMSO; C₂H₆OS; (CH₃)₂SO;
FW. 78.13; **CAS** [67-68-5]; **Melting Point:** 18.4°C (65°F);
Flash Point: 87°C; **Boiling Point:** 189°C; **Density:** 2.7 (Air = 1.0)



Dimethyl Sulfoxide HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | D159-4 |

Mobile phase for HPLC applications.; 99.8% min by GC; Methyl Sulfoxide, DMSO; C₂H₆OS; (CH₃)₂SO; **F.W.** 78.13; **CAS** [67-68-5]; **Melting Point:** 18.4°C (65°F); **Flash Point:** 87°C; **Boiling Point:** 189°C; **Density:** 2.7 (Air = 1.0)
Meets ACS Reagent Chemical Requirements.



N,N-Dimethylacetamide Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | O2434-4 |

Acetyl Dimethylamine, Acetic Acid Dimethylamine; C₄H₉NO; CH₃CON(CH₃)₂; **F.W.** 87.12; **CAS** [127-19-5]; **Melting Point:** -20°C (-4°F); **Flash Point:** 70°C; **Boiling Point:** 165°C; **Density:** 3.02 (Air = 1.0); **DOT Class 6.1:** Poison; **UN:** 2810



Dimethyl Sulfoxide Spectranalyzed™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | D136-1 |

≥99.9 %; Methyl Sulfoxide, DMSO; C₂H₆OS; (CH₃)₂SO; **F.W.** 78.13; **CAS** [67-68-5]; **Melting Point:** 18.4°C (65°F); **Flash Point:** 87°C; **Boiling Point:** 189°C; **Density:** 2.7 (Air = 1.0)
Also meets ACS specifications.



N,N-Dimethylacetamide Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 2.5L | AcroSeal™ Glass Bottle | AC39635-0025 |

99.5%; C₄H₉NO; CH₃CON(CH₃)₂; **F.W.** 87.12; **CAS** [127-19-5]; **Melting Point:** -20.0°C; **Flash Point:** 70°C; **Boiling Point:** 164.0° to 166.0°C; **Density:** 0.9370g/mL;

N,N-Dimethylacetamide Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|--|--------------|
| 100mL | AcroSeal™ Glass Bottle Packed in Tin Can | AC61031-1000 |

99.8%; C₄H₉NO; CH₃CON(CH₃)₂; **F.W.** 87.12; **CAS** [127-19-5]; **Melting Point:** -20.0°C; **Flash Point:** 70°C; **Boiling Point:** 164.0°C to 166.0°C; **Density:** 0.9370g/mL; **DOT Class 6.1:** Poison; **UN:** 2810

Dimethyl Sulfoxide ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA36480K2 |
| 4L | ---- | AA36480K7 |

99.9%; Methyl Sulfoxide; C₂H₆OS; **F.W.** 78.13; **CAS** [67-68-5]; **Melting Point:** 18.4°C (65°F); **Flash Point:** 87°C; **Boiling Point:** 189°C; **Density:** 1.101g/mL

Dimethyl Sulfoxide Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------------|--------------|
| 100mL | AcroSeal™ Amber Glass Bottle | AC61042-1000 |
| 1L | AcroSeal™ Amber Glass Bottle | AC61042-0010 |

99.7%; Methyl Sulfoxide, Dimethyl Sulfoxide, DMSO; C₂H₆OS; (CH₃)₂SO; **F.W.** 78.13; **CAS** [67-68-5]; **Melting Point:** 18.4°C (65°F); **Flash Point:** 87°C; **Boiling Point:** 189.0°C; **Density:** 2.7 (Air = 1.0)

Dimethyl Sulfoxide HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250mL | ---- | AA42780AK |

>99.9%; (CH₃)₂SO; **F.W.** 78.13; **CAS** [67-68-5]; **Melting Point:** 18.4°C (65°F); **Flash Point:** 87°C; **Boiling Point:** 189°C (372°F); **Density:** 1.101g/cm³ at 20°C; Colorless

Dimethyl Sulfoxide Spectrophotometric Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA32434K2 |

>99.9%; (CH₃)₂SO; **F.W.** 78.13; **CAS** [67-68-5]; **Melting Point:** 18.4°C (65°F); **Boiling Point:** 189°C; **Density:** 1.101g/cm³ at 20°C; Colorless

N,N-Dimethylacetamide Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | D135-500 |

Acetyl Dimethylamine, Acetic Acid Dimethylamine; C₄H₉NO; CH₃CON(CH₃)₂; **F.W.** 87.12; **CAS** [127-19-5]; **Melting Point:** -20°C (-4°F); **Flash Point:** 70°C; **Boiling Point:** 165°C; **Density:** 3.02 (Air = 1.0); **DOT Class 6.1:** Poison; **UN:** 2810



N,N-Dimethylformamide Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC61032-1000 |
| 1L | AcroSeal™ Glass Bottle | AC61032-0010 |

99.8%; DMF; HCON(CH₃)₂; **F.W.** 73.09; **Melting Point:** -61.0°C; **Flash Point:** 58°C; **Boiling Point:** 153.0°C; **Density:** 0.9450g/mL; **UN:** 2265

N,N-Dimethylformamide HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA22915K7 |
| 4 × 4L | ---- | AA22915M6 |

Liquid; >99.7%; HCON(CH₃)₂; **F.W.** 73.09; **CAS** [68-12-2]; **Melting Point:** -61°C (-78°F); **Flash Point:** 57°C; **Boiling Point:** 153°C; **Density:** 0.944g/cm³ at 20°C; **UN:** 2265; Colorless; Filtered through 0.2µm filters.
Maximum level of impurities: Evaporation residue 5ppm, H₂O 0.05%

N,N-Dimethylformamide Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|----------------------|----------|
| 500mL | Glass Bottle | D119-500 |
| 1L | Glass Bottle | D119-1 |
| 4L | Glass Bottle | D119-4 |
| 4L | Aluminum Can | D119S-4 |
| 20L | Poly Pail | D119-20 |
| 200L | Unichrome/Steel Drum | D119-200 |

Clear colorless liquid; $\geq 99.8\%$; DMF; C_3H_7NO ; F.W. 73.09; CAS [68-12-2]; **Melting Point:** $-61^\circ C$ ($-78^\circ F$); **Flash Point:** $58^\circ C$; **Boiling Point:** $153^\circ C$; **Density:** 2.5 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 2265



N,N-Dimethylformamide Spectranalyzed™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | D131-1 |
| 4L | Glass Bottle | D131-4 |

$\geq 99.8\%$; DMF; C_3H_7NO ; F.W. 73.09; CAS [68-12-2]; **Melting Point:** $-61^\circ C$ ($-78^\circ F$); **Flash Point:** $58^\circ C$; **Boiling Point:** $153^\circ C$; **Density:** 2.5 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 2265
For use in the ultraviolet and infrared ranges.
Also meets ACS specifications



N,N-Dimethylformamide

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA43997K2 |
| 4 x 1L | ---- | AA43997M1 |

99.8% ; $HCON(CH_3)_2$; F.W. 73.09; CAS [68-12-2]; **Melting Point:** $-61^\circ C$ ($-78^\circ F$); **Flash Point:** $57^\circ C$; **Boiling Point:** $153^\circ C$; **Density:** $0.944g/cm^3$ at $20^\circ C$; **UN:** 2265; Colorless

N,N-Dimethylformamide HPLC Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA41859K2 |

$>99.7\%$; $HCON(CH_3)_2$; F.W. 73.09; CAS [68-12-2]; **Melting Point:** $-61^\circ C$ ($-78^\circ F$); **Flash Point:** $57^\circ C$; **Boiling Point:** $153^\circ C$ ($307^\circ F$); **Density:** $0.944g/cm^3$ at $20^\circ C$; **UN:** 2265; Colorless

N,N-Dimethylformamide HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC27960-0010 |
| 2.5L | Glass Bottle | AC27960-0025 |
| 4L | Glass Bottle | AC27960-0040 |

99.5% ; DMF; C_3H_7NO ; $HCON(CH_3)_2$; F.W. 73.09; CAS [68-12-2]; **Melting Point:** $-61.0^\circ C$; **Flash Point:** $58^\circ C$; **Boiling Point:** $153.0^\circ C$; **Density:** $0.9450g/mL$; **UN:** 2265

N,N-Dimethylformamide Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC34843-1000 |
| 1L | AcroSeal™ Glass Bottle | AC34843-0010 |
| 2.5L | AcroSeal™ Glass Bottle | AC34843-0025 |

99.8% ; DMF; C_3H_7NO ; $HCON(CH_3)_2$; F.W. 73.09; CAS [68-12-2]; **Melting Point:** $-61.0^\circ C$; **Flash Point:** $58^\circ C$; **Boiling Point:** $153.0^\circ C$; **Density:** $0.9450g/mL$; **UN:** 2265

N,N-Dimethylformamide Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC61094-1000 |

99.8% ; DMF; $HCON(CH_3)_2$; F.W. 73.09; **Melting Point:** $-61.0^\circ C$; **Flash Point:** $58^\circ C$; **Boiling Point:** $153.0^\circ C$; **Density:** $0.9450g/mL$; **UN:** 2265

1,4-Dioxane Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | D111-500 |
| 4L | Glass Bottle | D111-4 |

$\geq 99\%$; 1,4-Diethylene Dioxide; $C_4H_8O_2$; F.W. 88.11; CAS [123-91-1]; **Melting Point:** $12^\circ C$; **Flash Point:** $12^\circ C$ ($53.6^\circ F$); **Boiling Point:** $101^\circ C$; **Density:** $1.03g/mL$; **DOT Class 3:** Flammable Liquid; **UN:** 1165



1,4-Dioxane HPLC Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA43167K2 |

99% min.; $C_4H_8O_2$; F.W. 88.11; CAS [123-91-1]; **Melting Point:** $11.8^\circ C$ ($53^\circ F$); **Flash Point:** $12^\circ C$; **Boiling Point:** 100° to $102^\circ C$; **Density:** $1.034g/mL$

1,4-Dioxane HPLC Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA22913K7 |

99% min.; $C_4H_8O_2$; F.W. 88.11; CAS [123-91-1]; **Melting Point:** $11.8^\circ C$ ($53^\circ F$); **Flash Point:** $12^\circ C$ ($53.6^\circ F$); **Boiling Point:** 100° to $102^\circ C$ (212° to $216^\circ F$); **Density:** $1.034g/cm^3$ at $20^\circ C$; **UN:** 1165; Colorless; May cause respiratory irritation. Filtered through $0.2\mu m$ filters. Maximum level of impurities: Evaporation residue 5ppm, H_2O 0.03%

1,4-Dioxane Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|--|--------------|
| 100mL | AcroSeal™ Glass Bottle Packed in Tin Can | AC61512-1000 |
| 1L | AcroSeal™ Glass Bottle Packed in Tin Can | AC61512-0010 |

99% ; Diox; $C_4H_8O_2$; F.W. 88.11; CAS [123-91-1]; **Melting Point:** $12^\circ C$; **Flash Point:** $12^\circ C$ ($53.6^\circ F$); **Boiling Point:** $101.0^\circ C$; **Density:** $1.0340g/mL$

1,4-Dioxane Biochemical Grade



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 1L | AcroSeal™ Glass Bottle | AC44706-0010 |
| 2.5L | AcroSeal™ Glass Bottle | AC44706-0025 |

99% ; Diox; $C_4H_8O_2$; F.W. 88.11; CAS [123-91-1]; **Melting Point:** $12.0^\circ C$; **Flash Point:** $12^\circ C$; **Boiling Point:** $101.0^\circ C$; **Density:** $1.0340g/mL$

1,4-Dioxane Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC36434-1000 |
| 1L | AcroSeal™ Glass Bottle | AC36434-0010 |

99.5% ; Diox; $C_4H_8O_2$; F.W. 88.11; CAS [123-91-1]; **Melting Point:** $12.0^\circ C$; **Flash Point:** $12^\circ C$; **Boiling Point:** $101.0^\circ C$; **Density:** $1.0340g/mL$; **UN:** 1165

1,4-Dioxane Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC32689-1000 |
| 1L | AcroSeal™ Glass Bottle | AC32689-0010 |

99.8%; Diox; C₄H₈O₂; **FW**: 88.11; CAS [123-91-1]; **Melting Point**: 12.0°C; **Flash Point**: 12°C; **Boiling Point**: 101.0°C; **Density**: 1.0340g/mL; **UN**: 1165

1,4-Dioxane, Anhydrous



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA43821K2 |

Clear colorless liquid; 99.8%; C₄H₈O₂; **FW**: 88.11; CAS [123-91-1]; **Melting Point**: 11.8°C (53°F); **Flash Point**: 12°C (53.6°F); **Boiling Point**: 100° to 102°C (212° to 216°F); **Density**: 1.034g/cm³ at 20°C; **UN**: 1165; Colorless

Ethanol For HPLC



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC61510-1000 |

99.5%; C₂H₆O; CH₃CH₂OH; **FW**: 46.07; CAS [64-17-5, 7732-18-5]; **Melting Point**: -114.0°C; **Flash Point**: 12°C; **Boiling Point**: 78.0°C; **Density**: 0.7900g/mL

Ethanol For HPLC



| Quantity | Packaging | Cat. No. |
|----------|-----------|--------------|
| 4L | EcoSafPak | AC61105-0040 |

C₂H₆O; C₂H₅OH; **FW**: 46.06; CAS [64-17-5, 67-56-1, 67-63-0]; **Melting Point**: -114.0°C; **Flash Point**: 12.8°C (55°F); **Boiling Point**: 78.0°C; **Density**: 1.24 (Air=1.0); **UN**: 1170

Ethanol HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA22930K7 |
| 4 x 4L | ---- | AA22930M6 |

90%; C₂H₆O; **FW**: 46.08; CAS [64-17-5]; **Melting Point**: -90°C (-130°F); **Boiling Point**: 78°C; **Density**: 0.789g/cm³ at 20°C; **UN**: 1987; Colorless

Ethanol Spectrophotometric Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA22931K7 |

90%; C₂H₆O; **FW**: 46.08; CAS [64-17-5]; **Melting Point**: -90°C (-130°F); **Flash Point**: 11°C; **Boiling Point**: 78°C; **Density**: 0.789g/mL

Ethanol, Alcohol Reagent, Anhydrous, Denatured



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA33361K2 |

94-96%; C₂H₆O; **FW**: 46.08; CAS [64-17-5]; **Melting Point**: -90°C (-130°F); **Flash Point**: 11°C; **Boiling Point**: 78°C; **Density**: 0.789g/mL; For ACS analysis; Begins to lose water at 60°C, anhydrous at 100°C

Ethanol, Alcohol Reagent, Anhydrous



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA33361K7 |

94 to 96%; C₂H₆O; **FW**: 46.08; CAS [64-17-5]; **Melting Point**: -90°C (-130°F); **Flash Point**: 11°C (52°F); **Boiling Point**: 78°C; **Density**: 0.789g/mL; For ACS analysis.

Ethanol, Denatured



| Quantity | Packaging | Cat. No. |
|------------|----------------|----------|
| 4 x 1 gal. | Plastic Bottle | 04355260 |

Ethyl Alcohol; CAS [64-17-5, 67-56-1]; **Flash Point**: 11°C (52°F); **Boiling Point**: 147°F; **Density**: 6.61 lb./gal.

Ethanol, Denatured Spectrophotometric Grade



| Quantity | Packaging | Cat. No. |
|----------|------------------------------|-----------|
| 1L | Resealable ChemSeal™ Bottles | AA44014K2 |

90%; C₂H₆O; **FW**: 46.08; CAS [64-17-5, 67-56-1, 67-63-0]; **Melting Point**: -90°C (-130°F); **Flash Point**: 11°C; **Boiling Point**: 78°C (172°F); **Density**: 0.789g/cm³; **UN**: 1987; Colorless
Packaged under Argon in Resealable ChemSeal™ bottles.
Hygroscopic

Ethanol, 140 Proof (70%)



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 55 gal. | Metal Drum | 04355175 |

Ethyl Alcohol; CAS [64-17-5, 7732-18-5 (Purified water)]; **Melting Point**: -114°C (-173°F); **Boiling Point**: 78.3°C (173°F); **Density**: 7.109; **UN**: 1170; 140 Proof (70%)
May require a federal tax exempt certificate.

Ethanol, 140 Proof (70%), Tax Paid



| Quantity | Packaging | Cat. No. |
|------------|----------------|----------|
| 4 x 1 gal. | Plastic Bottle | 07678001 |

Ethyl Alcohol; CAS [64-17-5 (ethanol), 7732-18-5 (purified water)]; **Melting Point**: -114°C (-173°F); **Boiling Point**: 78.3°C (173°F); **Density**: 7.109; **UN**: 1170; **Recommended Storage**: 140 Proof (70%); Federal Tax is included in the price.

Ethanol, 70% Solution Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|------------|
| 500mL | ---- | BP8201-500 |
| 1L | Amber Glass Bottle | BP8201-1 |
| 4L | Amber Glass Bottle | BP8201-4 |

70% Ethyl Alcohol Solution; CAS [64-17-5, 7732-18-5]; RNase, DNase, and Protease tested to verify absence of hydrolytic enzymes. Combine this blend with commercial "mini-prep" kits or traditional extraction methods with organic solvents
ACS grade Absolute Ethanol used in preparation of solution

Ethanol, 70% Solution, Denatured Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|-------------|
| 1 gal. | Poly Bottle | BP8203-1GAL |

Liquid; 70% Denatured Ethyl Alcohol Solution; CAS [64-17-5, 67-56-1, 67-63-0, 7732-18-5]
This denatured ethanol solution is also an ideal solution for histological applications.
RNase, DNase, and Protease tested to verify absence of hydrolytic enzymes.

Ethanol, 190 Proof (95%), Tax Paid



| Quantity | Packaging | Cat. No. |
|------------|----------------|----------|
| 0.125 gal. | Plastic Bottle | 04355453 |
| 1 gal. | Plastic Bottle | 04355454 |
| 4 × 1 gal. | Glass Bottle | 04355723 |
| 5 gal. | Plastic Bottle | 04355455 |
| 55 gal. | Drum | 04355457 |

Ethyl Alcohol; CAS [64-17-5, 7732-18-5 (purified water)];
Melting Point: -114°C (-173°F); **Boiling Point:** 78.3°C (173°F);
Density: 6.72; **UN:** 1170; 190 Proof (95%);
 Federal Tax is included in the price, except for product 04355457,
 for which the tax is charged as a separate item. No federal permit
 required for purchase.

Ethanol, 190 Proof (95%)

USP/NF/FCC/EP/BP/JP



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 5 gal. | Cubitainer™ with Spigot Closure | 22032600 |

Ethyl Alcohol; CAS [64-17-5, 7732-18-5 (purified water)];
Melting Point: -113.9°C (-173°F); **Boiling Point:** 78.3°C (173°F);
Density: 6.72; **UN:** 1170; 190 Proof (95%);
 May require a federal tax exempt certificate.

Ethanol, 95%

Spectrophotometric Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|--------------|
| 1L | EcoSafPak | AC61511-0010 |
| 4L | EcoSafPak | AC61511-0040 |

95%; C₂H₆O; C₂H₅OH; **FW:** 46.06; CAS [64-17-5, 7732-18-5];
Melting Point: -114°C (-173°F); **Flash Point:** 17°C (62.6°F);
Boiling Point: 78°C (760mm Hg); **Density:** 1.59 (Air = 1.0)

Ethanol, 96% Solution

Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|------------|
| 500mL | Amber Glass Bottle | BP8202-500 |
| 1L | Amber Glass Bottle | BP8202-1 |
| 4L | Amber Glass Bottle | BP8202-4 |

96% Ethyl Alcohol Solution; CAS [64-17-5, 7732-18-5];
 RNase, DNase, and Protease tested to verify absence of hydrolytic
 enzymes
 Combine this blend with commercial "mini-prep" kits or traditional
 extraction methods with organic solvents
 ACS grade Absolute Ethanol used in preparation of solution

Ethanol, 99.5%

ACS Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|--------------|
| 2L | EcoSafPak | AC61509-0020 |
| 4L | EcoSafPak | AC61509-0040 |

99.5%; C₂H₆O; CH₃CH₂OH; **FW:** 46.07; CAS [64-17-5, 7732-18-5];
Melting Point: -114.0°C; **Flash Point:** 12°C; **Boiling Point:** 78.0°C;
Density: 0.7900g/mL; **UN:** 1170

Ethanol, 200 Proof (100%), Tax Paid



| Quantity | Packaging | Cat. No. |
|-----------------|----------------|----------|
| 0.125 gal. | Glass Bottle | 07678007 |
| 24 × 0.125 gal. | Glass Bottle | 07678006 |
| 24 × 0.125 gal. | Plastic Bottle | 04355450 |
| 4 × 1 gal. | Glass Bottle | 04355721 |
| 4 × 1 gal. | Plastic Bottle | 04355451 |
| 5 gal. | Plastic Bottle | 04355452 |
| 55 gal. | Drum | 04355456 |

Ethyl Alcohol; CAS [64-17-5]; **Melting Point:** -114°C (-173°F);
Boiling Point: 78.3°C (173°F); **Density:** 6.62; **UN:** 1170; 200 Proof (100%)
 Federal Tax is included in the price, except for product 04355456,
 for which the tax is charged as a separate item. No federal permit
 required for purchase.

Ethanol, 200 Proof (100%)

USP/NF/FCC/EP/BP/JP



| Quantity | Packaging | Cat. No. |
|-----------------|-------------------------|----------|
| 24 × 0.125 gal. | Plastic Bottle | 04355222 |
| 4 × 1 gal. | Plastic Bottle | 04355223 |
| 5 gal. | Poly Bottle | 04355224 |
| 5 gal. | Cubitainer™ with Spigot | 22032601 |
| 55 gal. | Poly Drum | 04355600 |

Ethyl Alcohol; CAS [64-17-5]; **Melting Point:** -114°C (-173°F);
Boiling Point: 78.3°C (173°F); **Density:** 6.62; **UN:** 1170;
 200 Proof (100%);
 May require a federal tax exempt certificate.

Ethanol, Anhydrous

Histological Grade



| Quantity | Packaging | Cat. No. |
|----------|------------------|------------|
| 1 gal. | Poly Bottle | A405F-1GAL |
| 4L | Poly Bottle | A405P-4 |
| 20L | Lined Steel Drum | A405-20 |

Ethyl Alcohol Denatured, Ethanol, Denatured;
 CAS [64-17-5, 108-10-1, 141-78-6, 67-56-1, 108-88-3];
Flash Point: 12°C; **Boiling Point:** 77.11°C (170.8°F);
Density: 0.79g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1170;
 Used in histology, pathology, and cell biology applications.



Ethanol, CDA 19

Histological Grade



| Quantity | Packaging | Cat. No. |
|----------|------------------|------------|
| 1 gal. | Poly Bottle | A406F-1GAL |
| 4L | Poly Bottle | A406P-4 |
| 20L | Lined Steel Drum | A406-20 |

Ethyl Alcohol Denatured;
 CAS [64-17-5, 108-10-1, 108-88-3, 110-54-3, 7732-18-5];
Melting Point: <-85°C; **Flash Point:** 16.6°C (61.8°F);
Boiling Point: 79°C; **Density:** 1.6 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1170



Ethanol, CDA 19-1, 190 Proof



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 55 gal. | Poly Drum | 16100768 |

C₂H₆O; **FW:** 46.07; CAS [64-17-5, 7732-18-5, 108-10-1, 8008-20-6];
Melting Point: -114°C (-173°F); **Flash Point:** 17°C (62°F);
Boiling Point: 80°C (176°F); **Density:** 6.7 lb./gal.; **UN:** 1987;
 Completely Denatured Alcohol 19-1, 190 Proof, Ethanol denatured
 with MIBK and Kerosene.
 Applications include production of cleaning products, paint
 thinners, and brake fluid

Ethanol, CDA 19-5, 190 Proof



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | 16100777 |
| 5 gal. | Poly Pail | 16100778 |

C_2H_6O ; **FW.** 46.07; CAS [64-17-5, 7732-18-5, 108-10-1, 64742-89-8];
Melting Point: $-114^{\circ}C$ ($-173^{\circ}F$); **Flash Point:** $17^{\circ}C$ ($62^{\circ}F$);
Boiling Point: $78^{\circ}C$ ($173^{\circ}F$); **Density:** 6.79 lb./gal.; **UN:** 1987;
 190 Proof, Ethanol denatured with MIBK and Rubber Hydrocarbon
 Solvent. Applications include production of cleaning products, paint
 thinners, and brake fluid

Ethanol, Reagent Alcohol, 140 Proof



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 1 gal. | Fluorinated Poly Bottle | 16100851 |

C_2H_6O ; **FW.** 46.07; CAS [64-17-5, 7732-18-5, 67-63-0, 67-56-1];
Melting Point: $-114^{\circ}C$ ($-173^{\circ}F$); **Flash Point:** $22^{\circ}C$ ($71.6^{\circ}F$);
Boiling Point: $78^{\circ}C$ ($173^{\circ}F$); **Density:** 0.785g/mL at $25^{\circ}C$ ($77^{\circ}F$);
UN: 1987
 General purpose organic solvent

Ethanol, Reagent Alcohol, 160 Proof



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 1 gal. | Fluorinated Poly Bottle | 16100844 |

Denatured Alcohol, Denatured C_2H_6O ; **FW.** 46.07;
 CAS [64-17-5, 7732-18-5, 67-63-0, 67-56-1];
Melting Point: $-114^{\circ}C$ ($-173^{\circ}F$); **Flash Point:** $20^{\circ}C$ ($68^{\circ}F$);
Boiling Point: $78^{\circ}C$ ($173^{\circ}F$); **Density:** 0.785g/mL at $25^{\circ}C$ ($77^{\circ}F$);
UN: 1987
 General purpose organic solvent

Ethanol, Reagent Alcohol, 190 Proof



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 1 gal. | Fluorinated Poly Bottle | 16100835 |

Colorless Liquid, Invisible Vapor; Denatured Alcohol, Denatured
 Ethanol, Reagent Alcohol; C_2H_6O ; **FW.** 46.07;
 CAS [64-17-5, 7732-18-5, 67-63-0, 67-56-1];
Melting Point: $-114^{\circ}C$ ($-173^{\circ}F$); **Flash Point:** $16^{\circ}C$ ($60.8^{\circ}F$);
Boiling Point: $78^{\circ}C$ ($173^{\circ}F$); **Density:** 0.785g/mL at $25^{\circ}C$ ($77^{\circ}F$);
UN: 1987
 General purpose organic solvent

Ethanol, Reagent Alcohol, 200 Proof



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 1 gal. | Fluorinated Poly Bottle | 16100824 |
| 4L | Glass Bottle | 16100825 |
| 4L | Poly Coated Glass Bottle | 16100826 |
| 55 gal. | Poly Drum | 16100831 |

Denatured Alcohol, Denatured Ethanol, Reagent Alcohol; C_2H_6O ;
FW. 46.07; CAS [64-17-5, 67-63-0, 67-56-1];
Melting Point: $-114^{\circ}C$ ($-173^{\circ}F$); **Flash Point:** $14^{\circ}C$ ($57^{\circ}F$);
Boiling Point: $78^{\circ}C$ ($173^{\circ}F$); **Density:** 0.785g/mL at $25^{\circ}C$ ($77^{\circ}F$);
UN: 1987
 General purpose organic solvent

Ethanol, SDA 2B-3, 200 Proof



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 1 gal. | Fluorinated Poly Bottle | 16100320 |

Denatured Alcohol 2B-3, Denatured Ethanol, SDA 2B-3; C_2H_6O ;
FW. 46.07; CAS [64-17-15, 108-88-3]; **Melting Point:** $>-90^{\circ}C$ ($>-130^{\circ}F$);
Flash Point: $13^{\circ}C$ ($55^{\circ}F$); **Boiling Point:** $78.5^{\circ}C$ ($173.3^{\circ}F$);
Density: 6.61 lb./gal. at $15.56^{\circ}C$ ($60^{\circ}F$); **UN:** 1987;
 Applications including pharmaceutical and biotech processes,
 cosmetic, food, flavor, and fragrance industries

Ethanol, SDA 3A, 190 Proof



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 5 gal. | Poly Pail | 16100344 |
| 55 gal. | Metal Drum | 16100347 |

Denatured Alcohol 3A, Denatured Ethanol, SDA 3A, 190; C_2H_6O ;
FW. 46.07; CAS [64-17-15, 7732-18-5, 67-56-1];
Melting Point: $-114^{\circ}C$ ($-173^{\circ}F$); **Flash Point:** $16^{\circ}C$ ($60.8^{\circ}F$);
Boiling Point: $78^{\circ}C$ ($173^{\circ}F$); **Density:** 7.04 lb./gal. at $15.56^{\circ}C$ ($60^{\circ}F$);
UN: 1987
 Applications including pharmaceutical and biotech processes,
 cosmetic, food, flavor, and fragrance industries

Ethanol, SDA 3A, 200 Proof



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 1 gal. | Fluorinated Poly Bottle | 16100236 |
| 5 gal. | Poly Pail | 16100238 |

Denatured Alcohol 3A, Denatured Ethanol, SDA 3A, 200; C_2H_6O ;
FW. 46.07 CAS [64-17-15, 67-56-1]; **Melting Point:** $-114^{\circ}C$ ($-173^{\circ}F$);
Flash Point: $14^{\circ}C$ ($57^{\circ}F$); **Boiling Point:** $78^{\circ}C$ ($173^{\circ}F$);
Density: 6.61 lb./gal. at $15.56^{\circ}C$ ($60^{\circ}F$); **UN:** 1987
 Applications including pharmaceutical and biotech processes,
 cosmetic, food, flavor, and fragrance industries

Ethanol, SDA 3C, 200 Proof



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 5 gal. | Poly Pail | 16100262 |

Denatured Alcohol 3C, Denatured Ethanol, SDA 3C, 200;
 C_2H_6O ; **FW.** 46.07 CAS [64-17-15, 67-63-0];
Melting Point: $-100^{\circ}C$ ($-148^{\circ}F$); **Flash Point:** $14^{\circ}C$ ($57^{\circ}F$);
Boiling Point: $80^{\circ}C$ ($176^{\circ}F$);
Density: 6.86 lb./gal. at $15.56^{\circ}C$ ($60^{\circ}F$); **UN:** 1987
 Applications including pharmaceutical and biotech processes,
 cosmetic, food, flavor, and fragrance industries

Ethanol, SDA 23A, 190 Proof



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 55 gal. | Metal Drum | 16100295 |

Denatured Alcohol 23A, Denatured Ethanol, SDA 23A, 190; C_2H_6O ;
FW. 46.07; CAS [64-17-15, 7732-18-5, 67-64-1];
Melting Point: $>-100^{\circ}C$ ($>-148^{\circ}F$); **Flash Point:** $7^{\circ}C$ ($45^{\circ}F$);
Boiling Point: $80^{\circ}C$ ($176^{\circ}F$); **Density:** 0.785g/mL at $25^{\circ}C$ ($77^{\circ}F$);
UN: 1987
 Applications including pharmaceutical and biotech processes,
 cosmetic, food, flavor, and fragrance industries

Ethanol, SDA 30, 190 Proof



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | 16100621 |
| 5 gal. | Poly Pail | 16100622 |
| 5 gal. | Metal Pail | 16100623 |

Denatured Alcohol 30, Denatured ethanol, Ethanol denatured with methanol; C₂H₆O; **FW**: 46.07; CAS [64-17-5, 7732-18-5, 67-65-1]; **Melting Point**: -114°C (-173°F); **Flash Point**: 16°C (60.8°F); **Boiling Point**: 78°C (173°F); **Density**: 6.785 lb./gal. at 15.56°C (60°F); **UN**: 1987
Applications including pharmaceutical and biotech processes, cosmetic, food, flavor, and fragrance industries

Ethanol, SDA 40/40-2, 200 Proof



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 5 gal. | Poly Pail | 16100544 |

Denatured Alcohol 40, SDA 40-2, 200, Ethanol denatured with tert-butyl alcohol and brucine sulfate; C₂H₆O; **FW**: 46.07; CAS [64-17-5, 75-65-0, 4845-99-2]; **Melting Point**: -114°C (-173°F); **Flash Point**: 14°C (57°F); **Boiling Point**: 78.3°C (172.9°F); **Density**: 0.785g/mL at 25°C (77°F); **UN**: 1987
Solvent use, perfume, personal care, and fragrance use

Ethanol, SDA 40B, 190 Proof



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 55 gal. | Metal Drum | 16100565 |

Denatured Alcohol 40B, Denatured ethanol, Ethanol denatured with tert-butyl alcohol and denatonium benzoate; C₂H₆O; **FW**: 46.07; CAS [64-17-5, 7732-18-5, 75-65-0, 3734-33-6]; **Melting Point**: > -59°C (> -75°F); **Flash Point**: 17°C (62°F); **Boiling Point**: 78.3°C (172.9°F); **Density**: 6.80 lb./gal. at 15.56°C (60°F); **UN**: 1987
Solvent use, perfume, personal care, and fragrance use

Ethanol, SIC-2, 190 Proof



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 1 gal. | Fluorinated Poly Bottle | 16101019 |

Denatured Ethanol, Ethanol denatured with Isopropyl Alcohol and Methyl Isobutyl Ketone, Special Industrial Solvent Formula C-2, 190 Proof; C₂H₆O; **FW**: 46.07; CAS [64-17-5, 7732-18-5, 67-63-0, 108-10-1]; **Melting Point**: -114°C (-173°F); **Flash Point**: 17°C (62°F); **Boiling Point**: 80°C (176°F); **UN**: 1987
Applications include industrial and manufacturing processes

Ethanol, SIS Formula A-2, 190 Proof CP



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 55 gal. | Metal Drum | 16101157 |

Denatured Ethanol, Ethanol denatured with Methanol & MIBK; C₂H₆O; **FW**: 46.07; CAS [64-17-5, 7732-18-5, 67-56-1, 108-10-1]; **Melting Point**: -114°C (-173°F); **Flash Point**: 17°C (62°F); **Boiling Point**: 80°C (176°F); **UN**: 1987
Applications include industrial and manufacturing processes. Special Industrial Solvent Formula A-2, 190 proof.

Ether, Anhydrous

ULTRA RESI-ANALYZED™



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02002807 |

99.0% min.; (C₂H₅)₂O; **FW**: 74.12; CAS [60-29-7]; **Flash Point**: -45°C

Ether

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002818 |
| 4L | Narrow Mouth PVC-Coated Amber Glass Bottle | 02002819 |

(C₂H₅)₂O; **FW**: 74.12; CAS [60-29-7]; **Flash Point**: -45.00°C; Meets USP Requirements.

Ether, Anhydrous

BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Aluminum Bottle | 02002814 |
| 4L | Narrow Mouth Amber Glass Bottle | 02002821 |
| 20L | Steel Pail | 02002816 |

Min. 99.0%; CAS [60-29-7]; **Flash Point**: -45°C; **Density**: 0.7079g/mL; Contains BHT as a Preservative; Meets USP Requirements.

Ethyl Acetate

ULTRA RESI-ANALYZED™



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02002828 |
| 4L | Narrow Mouth Amber Glass Bottle | 02002833 |

CH₃COOC₂H₅; **FW**: 88.11; CAS [141-78-6]; **Flash Point**: -4.00°C

Ethyl Acetate

BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 20L | Steel Pail | 02002832 |

CH₃COOC₂H₅; **FW**: 88.11; CAS [141-78-6]; **Flash Point**: -4.00°C

Ethyl Acetate

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02002830 |
| 4L | Narrow Mouth Amber Glass Bottle | 02002837 |
| 4L | Narrow Mouth PVC-Coated Amber Glass Bottle | 02002838 |

CH₃COOC₂H₅; **FW**: 88.11; CAS [141-78-6]; **Flash Point**: -4.00°C

Ethyl Acetate

BAKER ANALYZED™ LC-MS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002840 |

CH₃COOC₂H₅; **FW**: 88.11; CAS [141-78-6]; **Flash Point**: -4.00°C; Filtered through a 0.2 micron filter

Ethyl Acetate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 500mL | Glass Bottle | E145-500 |
| 1L | Glass Bottle | E145-1 |
| 4L | Glass Bottle | E145-4 |
| 4L | Glass Bottle, Safe-Cote™ | E145SK-4 |
| 20L | Steel Pail | E145-20 |
| 200L | Steel Drum | E145-200 |

≥99.5%; Acetic Acid Ethyl Ester; C₄H₈O₂; **FW**: 88.11; CAS [141-78-6]; **Melting Point**: -83°C (-117.4°F); **Flash Point**: -4°C (+25°F); **Boiling Point**: 75° to 78°C (167° to 171.5°F); **Density**: 3.04 (Air = 1.0); **DOT Class 3**: Flammable Liquid; **UN**: 1173
Meets or exceeds the latest ACS specifications. Actual lot analysis on label.



Ethyl Acetate

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 1L | Glass Bottle | E195-1 |
| 1L | Glass Bottle, Safe-Cote™ | E195SK-1 |
| 4L | Glass Bottle | E195-4 |
| 4L | Glass Bottle, Safe-Cote™ | E195SK-4 |

99.9% min by GC; EtOAc, Acetic Acid Ethyl Ester; C₄H₈O₂; CH₃COOC₂H₅; F.W. 88.11; CAS [141-78-6];

Melting Point: -83°C (-117.4°F);

Flash Point: -4°C (+25°F);

Boiling Point: 75° to 78°C (167° to 171.5°F); **Density:** 3.04 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1173

HPLC mobile phase for analytical and preparative separations.

High UV transmittance and low evaporation residue.

Filtered through a sub-micron filter to remove particulates.

This product also meets ACS specifications.



Ethyl Acetate

World/GMP, ACS/USP/NF/BP/EP Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | 16101418 |

Acetic Acid Ethyl Ester, Ethyl Ethanoate, Ethyl Acetic Ester; C₄H₈O₂;

F.W. 88.1; CAS [141-78-6]; **Melting Point:** -84°C (-119°F);

Flash Point: -4°C (+25°F); **Boiling Point:** 77°C (171°F);

Density: 0.902g/mL at 25°C (77°F); **UN:** 1173; Colorless, Clear;

General solvent use.

Ethyl Acetate

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|--------------|
| 4L | EcoSafPak | AC61006-0040 |

99.9%; Acetic Acid Ethyl Ester; C₄H₈O₂; CH₃CO₂C₂H₅; F.W. 88.11;

CAS [141-78-6]; **Melting Point:** -83.5°C; **Flash Point:** -4°C (+25°F);

Boiling Point: 75.0°C to 78.0°C; **Density:** 0.9020g/mL; **UN:** 1173

Ethyl Acetate

USP/NF/FCC/EP/BP/JP



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | E124-4 |
| 20L | Steel Pail | E124-20 |

99.0 to 100.5%; Acetic Acid Ethyl Ester; C₄H₈O₂;

CH₃COOC₂H₅; F.W. 88.11; CAS [141-78-6];

Melting Point: -83°C (-117.4°F);

Flash Point: -4°C (+25°F);

Boiling Point: 75° to 78°C (167° to 171.5°F); **Density:** 3.04 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1173



Ethyl Acetate Ethanol Solution, (3:1)

Optima™



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | E151-1 |
| 4L | Amber Glass Bottle | E151-4 |

Ethyl Ethanoate, Ethyl Alcohol Solution (3:1);

CAS [141-78-6, 64-17-5]



Ethyl Acetate

Optima™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | E196-4 |

99.9% min by GC; Acetic Acid Ethyl Ester; C₄H₈O₂;

CH₃COOC₂H₅; F.W. 88.11; CAS [141-78-6];

Melting Point: -83°C (-117.4°F);

Flash Point: -4°C (+25°F);

Boiling Point: 75° to 78°C (167° to 171.5°F); **Density:** 3.04 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1173

High purity and versatile solvent for pesticide residue analysis.

High UV transmittance and low evaporation residue.

Filtered through a sub-micron filter to remove particulates. Packaged under nitrogen. This product also meets ACS specifications.



Ethyl Alcohol, Denatured

| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 500mL | Glass Bottle | A407-500 |
| 1L | Glass Bottle | A407-1 |
| 4L | Glass Bottle | A407-4 |
| 4L | Glass Bottle/Safe-Cote™ | A407SK-4 |
| 4L | Poly Bottle | A407P-4 |
| 4L | Aluminum Can | A407S-4 |
| 20L | Lined Steel Drum | A407-20 |
| 200L | Lined Steel Drum | A407-200 |

Ethanol, Denatured; CAS [64-17-5];

Flash Point: 13.9°C (57°F);

DOT Class 3: Flammable Liquid; **UN:** 1170

Proprietary Solvent; Soluble in water;

Formulation: Ethyl Alcohol (100 parts); Ethyl Acetate (1 part);

Methyl iso-Butyl Ketone (1 part); Aviation Gasoline (1 part)



Ethyl Acetate

Pesticide Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | E191-4 |

Acetic Acid Ethyl Ester; C₄H₈O₂; CH₃COOC₂H₅;

F.W. 88.11; CAS [141-78-6];

Melting Point: -83°C (-117.4°F);

Flash Point: -4°C (+25°F);

Boiling Point: 75° to 78°C (167° to 171.5°F)



Ethyl Acetate

Spectranalyzed™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | E189-4 |

≥99.5%; Acetic Acid Ethyl Ester; C₄H₈O₂;

CH₃COOC₂H₅; F.W. 88.11; CAS [141-78-6];

Melting Point: -83°C (-117.4°F);

Flash Point: -4°C (+25°F);

Boiling Point: 75° to 78°C (167° to 171.5°F); **Density:** 3.04 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1173

For use in the ultraviolet and infrared ranges.

Also meets ACS specifications.



Ethyl Ether

Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Aluminum Can | E492-4 |
| 20L | Steel Pail | E492-20 |

Ethyl Oxide, Diethyl Ether; C₄H₁₀O; C₂H₅OC₂H₅;

F.W. 74.12; CAS [60-29-7]; **Melting Point:** -116.3°C;

Flash Point: -45°C;

Boiling Point: 34.6°C (41°F) **Density:** 2.55 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1155; Suitable for fat extraction.



Ethyl Ether Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Aluminum Can | E134-1 |
| 4L | Aluminum Can | E134-4 |
| 20L | Steel Pail | E134-20 |

Ethyl Oxide; $C_4H_{10}O$; $C_2H_5OC_2H_5$; **F.W.** 74.12; **CAS** [60-29-7]; **Melting Point:** $-116.3^{\circ}C$;

Flash Point: $-45^{\circ}C$;

Boiling Point: $34.6^{\circ}C$ ($41^{\circ}F$) **Density:** 2.55 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1155



Ethyl Ether Pesticide Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | E199-4 |

$\geq 99.5\%$; Ethyl Oxide, Diethyl Ether; $C_4H_{10}O$;

$C_2H_5OC_2H_5$; **F.W.** 74.12; **CAS** [60-29-7, 64-17-5];

Melting Point: $-116^{\circ}C$ ($-177^{\circ}F$); **Flash Point:** $-45^{\circ}C$;

Boiling Point: $34.6^{\circ}C$ ($41^{\circ}F$) **Density:** 2.55 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1155

For pesticide residue analysis by GC-ECD. Suitable for sample prep prior to GC-ECD for environmental applications.



Ethyl Ether Spectranalyzed™



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 1L | Tin Can | E197-1 |
| 4L | Tin Can | E197-4 |

$\geq 99\%$; Ethyl Oxide, Diethyl Ether; $C_4H_{10}O$; $C_2H_5OC_2H_5$;

F.W. 74.12; **CAS** [60-29-7, 64-17-5];

Melting Point: $-116^{\circ}C$ ($-177^{\circ}F$); **Flash Point:** $-45^{\circ}C$;

Boiling Point: $34.6^{\circ}C$ ($41^{\circ}F$) **Density:** 2.55 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1155

Suitable for use in the ultraviolet range.



Ethyl Ether, Anhydrous Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Aluminum Can | E138-500 |
| 1L | Aluminum Can | E138-1 |
| 4L | Aluminum Can | E138-4 |
| 20L | Steel Pail | E138-20 |

$\geq 99\%$; Ethyl Oxide, Diethyl Ether; $C_4H_{10}O$; $C_2H_5OC_2H_5$;

F.W. 74.12; **CAS** [60-29-7]; **Melting Point:** $-116.3^{\circ}C$;

Flash Point: $-45^{\circ}C$; **Boiling Point:** $34.6^{\circ}C$ ($41^{\circ}F$)

Density: 2.55 (Air = 1.0); **DOT Class 3:** Flammable

UN: 1155

Stabilized with BHT as preservative. Meets or exceeds the latest ACS specifications. Actual lot analysis on label.



Ethyl Ether, Anhydrous HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 4L | Tin Can | E198-4 |

99.0% min by GC; Diethyl Ether, Ethyl Oxide; $C_4H_{10}O$;

$C_2H_5OC_2H_5$; **F.W.** 74.12; **CAS** [60-29-7, 64-17-5];

Melting Point: $-116^{\circ}C$ ($-177^{\circ}F$); **Flash Point:** $-45^{\circ}C$;

Boiling Point: $34.6^{\circ}C$ ($41^{\circ}F$) **Density:** 2.55 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1155

HPLC mobile phase for analytical and preparative separations.

High UV transmittance and low evaporation residue.

Stabilized with ca. 2% ethanol.



Ethylene Glycol BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002846 |

$HOCH_2CH_2OH$; **F.W.** 62.07; **CAS** [107-21-1]; **Flash Point:** $111.00^{\circ}C$

Ethylene Glycol Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|------------------|----------|
| 500mL | Glass Bottle | E178-500 |
| 1L | Glass Bottle | E178-1 |
| 4L | Glass Bottle | E178-4 |
| 200L | Lined Steel Drum | E178-200 |

1,2-Ethanediol; $C_2H_6O_2$; $HOCH_2CH_2OH$; **F.W.** 62.07;

CAS [107-21-1]; **Melting Point:** $-13^{\circ}C$;

Flash Point: $116^{\circ}C$ ($41^{\circ}F$) **Boiling Point:** $197^{\circ}C$;

Density: 2.14 (Air = 1.0)

Purity is guaranteed to meet published maximum limits of impurities.



Ethylene Glycol Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|------------------|----------|
| 4L | Glass Bottle | E177-4 |
| 20L | Lined Steel Drum | E177-20 |

1,2-Ethanediol; $C_2H_6O_2$; $HOCH_2CH_2OH$; **F.W.** 62.07;

CAS [107-21-1]; **Melting Point:** $-13^{\circ}C$;

Flash Point: $116^{\circ}C$ ($41^{\circ}F$) **Boiling Point:** $197^{\circ}C$;

Density: 2.14 (Air = 1.0)



Ethylene Glycol Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|------------------|--------------|
| 1L | Glass Bottle | AC14675-0010 |
| 2.5L | Glass Bottle | AC14675-0025 |
| 25L | Plastic Jerrycan | AC14675-0250 |

99+%; 1,2-Ethanediol, Monoethylene glycol; $C_2H_6O_2$; $HOCH_2CH_2OH$;

F.W. 62.06; **Melting Point:** $-13.0^{\circ}C$;

Flash Point: $116^{\circ}C$ ($41^{\circ}F$) **Boiling Point:** 196.0° to $198.0^{\circ}C$;

Density: 1.1130g/mL

Ethylene Glycol Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5L | Plastic Drum | AC44423-0050 |

1,2-Ethanediol, Monoethylene glycol; $C_2H_6O_2$; $HOCH_2CH_2OH$;

F.W. 62.06; **CAS** [107-21-1]; **Melting Point:** $-13.0^{\circ}C$;

Flash Point: $116^{\circ}C$ ($41^{\circ}F$) **Boiling Point:** 196.0° to $198.0^{\circ}C$;

Density: 1.1130g/mL

Ethylene Glycol Dimethyl Ether Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC44298-1000 |
| 1L | AcroSeal™ Glass Bottle | AC44298-0010 |

99.5%; 1,2-Dimethoxyethane, Monoglyme; $C_4H_{10}O_2$; $CH_3OCH_2CH_2OCH_3$;

F.W. 90.12; **CAS** [110-71-4, 128-37-0]; **Melting Point:** $-69.0^{\circ}C$;

Flash Point: $-6^{\circ}C$ ($41^{\circ}F$) **Boiling Point:** 84.0° to $86.0^{\circ}C$;

Density: 0.8670g/mL

Ethylene Glycol Dimethyl Ether Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC61035-1000 |

99%; 1,2-Dimethoxyethane, Monoglyme; C₄H₁₀O₂; CH₃OCH₂CH₂OCH₃; **FW.** 90.12; **CAS** [128-37-0]; **Melting Point:** -69.0°C; **Flash Point:** -6°C (41°F) **Boiling Point:** 84.0°C to 86.0°C; **Density:** 0.8670g/mL; **UN:** 2252

Formamide Ultrapure Bioreagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 500mL | Narrow Mouth Amber Glass Bottle | 02002905 |

HCONH₂; **FW.** 45.04; **CAS** [75-12-7]; **Flash Point:** 154.00°C

Formamide Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | F84-1 |

>99.5%; Methanamide; CH₃NO; HCONH₂; **FW.** 45.04; **CAS** [75-12-7]; **Melting Point:** 2° to 3°C; **Boiling Point:** 210°C; **Density:** 1.13g/mL

Formamide Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Glass Bottle | AC61035-1000 |

99%; CH₃NO; HCONH₂; **FW.** 45.04; **CAS** [75-12-7]; **Melting Point:** 2.0° to 3.0°C; **Flash Point:** 175°C; **Boiling Point:** 210.0°C; **Density:** 1.1330g/mL

Heptane Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | 03008-1 |
| 4L | Glass Bottle | 03008-4 |

C₇H₁₆; CH₃(CH₂)₅CH₃; **FW.** 100.2; **CAS** [142-82-5, 28729-52-4, 26635-64-3, 108-87-2]; **Melting Point:** -91°C; **Flash Point:** -4°C (+25°F); **Boiling Point:** 98°C; **Density:** 3.5 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1206
Purity is guaranteed to meet published maximum limits of impurities.

Heptane HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 1L | Glass Bottle | H350-1 |
| 1L | Glass Bottle/Safe-Cote™ | H350SK-1 |
| 4L | Glass Bottle | H350-4 |
| 4L | Glass Bottle/Safe-Cote™ | H350SK-4 |

96% min by GC; C₇H₁₆; CH₃(CH₂)₅CH₃; **FW.** 100.2; **CAS** [142-82-5, 28729-52-4, 26635-64-3, 108-87-2]; **Melting Point:** -91°C; **Flash Point:** -4°C (+25°F); **Boiling Point:** 98°C; **Density:** 3.5 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1206
HPLC mobile phase for analytical and preparative separations. High UV transmittance and low evaporation residue.

Heptane Spectranalyzed™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | H340-4 |

C₇H₁₆; CH₃(CH₂)₅CH₃; **FW.** 100.2; **CAS** [142-82-5, 28729-52-4, 26635-64-3, 108-87-2]; **Melting Point:** -91°C; **Flash Point:** -4°C (+25°F); **Boiling Point:** 98°C; **Density:** 3.5 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1206
For use in the ultraviolet and infrared ranges.

Heptane Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 20L | Steel Pail | H20-20 |
| 200L | Steel Drum | H20-200 |

C₇H₁₆; **FW.** 100.2; **CAS** [142-82-5]; **Melting Point:** -91°C; **Flash Point:** -4°C (+25°F); **Boiling Point:** 98°C; **Density:** 3.5 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1206

Heptane ChromAR®



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | MK51394 |

CH₃(CH₂)₅CH₃; **FW.** 100.2; **CAS** [142-82-5]

n-Heptane Environmental Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA40978K2 |

>96%; CH₃(CH₂)₅CH₃; **FW.** 100.21; **CAS** [142-82-5]; **Melting Point:** -90°C (-130°F); **Flash Point:** -1°C; **Boiling Point:** 98.4°C (209°F); **Density:** 0.684g/cm³ at 20°C; **UN:** 1206; Colorless; Pesticide residue, environmental, and GC analysis
Submicron filtered, halogenated residue: 10ng/L (GC-ECD)

n-Heptane HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA22911K7 |
| 4 x 4L | ---- | AA22911M6 |

99%; CH₃(CH₂)₅CH₃; **FW.** 100.21; **CAS** [142-82-5]; **Melting Point:** -91°C; **Flash Point:** -4°C (+25°F); **Boiling Point:** 97° to 99°C; **Density:** 100.21

n-Heptane Optima™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | H360-1 |
| 4L | Glass Bottle | H360-4 |

99.0%; C₇H₁₆; CH₃(CH₂)₅CH₃; **FW.** 100.20; **CAS** [142-82-5]; **Melting Point:** -91°C; **Flash Point:** -4°C (+25°F); **Boiling Point:** 98°C; **Density:** 3.5 (Air = 1.0); **DOT Class 3:** Flammable Liquid; 0.2-micron filtered

n-Heptane HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA22911K2 |

CH₃(CH₂)₅CH₃; **FW.** 100.21; **CAS** [142-82-5]; 99%

n-Heptane Spectrophotometric Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA32441K7 |

>99%; $\text{CH}_3(\text{CH}_2)_5\text{CH}_3$; **FW.** 100.21; **CAS** [142-82-5]; **Melting Point:** -91°C ;

Flash Point: -4°C ($+25^\circ\text{F}$); **Boiling Point:** 97° to 99°C ;

Density: $0.684\text{g}/\text{cm}^3$ at 20°C ; **UN:** 1206; Colorless

Meets ACS spectrophotometric requirements. Filtered through 0.2 μm filters.

Maximum level of impurities: Evaporation residue 3ppm, H_2O 0.03%

n-Heptane HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002981 |
| 4L | Narrow Mouth PVC-Coated Amber Glass Bottle | 02002982 |

$\text{CH}_3(\text{CH}_2)_5\text{CH}_3$; **FW.** 100.2; **CAS** [142-82-5]; **Flash Point:** -4.00°C

Meets ACS Reagent Chemical Requirements.

n-Heptane ULTRA RESI-ANALYZED™



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02003443 |
| 4L | Narrow Mouth Amber Glass Bottle | 02003444 |

$\text{CH}_3(\text{CH}_2)_5\text{CH}_3$; **FW.** 100.2; **CAS** [142-82-5]; **Flash Point:** -4.00°C

Heptanes Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5L | Plastic Drum | AC44427-0050 |

C_7H_{16} ; $\text{CH}_3(\text{CH}_2)_5\text{CH}_3$; **FW.** 100.20; **CAS** [142-82-5];

Melting Point: -91.0°C ; **Flash Point:** -4°C ; **Boiling Point:** 98.0°C ;

Density: $0.6830\text{g}/\text{mL}$

n-Hexane

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA43263K7 |

C_6H_{14} ; **FW.** 86.18; **CAS** [110-54-3]; **Melting Point:** -95°C (-139°F);

Flash Point: -23°C ; **Boiling Point:** 69°C (156°F);

Density: $0.659\text{g}/\text{cm}^3$ at 20°C ; **UN:** 1208; Colorless;

Solvent in Sol-Gel precursor applications

n-Hexane Environmental Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4 x 4L | ---- | AA42100M6 |

>95%; $\text{CH}_3(\text{CH}_2)_4\text{CH}_3$; **FW.** 86.18; **CAS** [110-54-3];

Melting Point: -95°C (-139°F); **Flash Point:** -23°C ;

Boiling Point: 69°C (156°F); **Density:** $0.659\text{g}/\text{cm}^3$ at 20°C ; **UN:** 1208;

Colorless; Pesticide residue, environmental and GC analysis;

Submicron filtered

Maximum level of impurities: Evaporation residue 2ppm, Halogenated residue 10 ng/L (GC-ECD)

n-Hexane Spectrophotometric Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA32454K7 |

>95%; $\text{CH}_3(\text{CH}_2)_4\text{CH}_3$; **FW.** 86.18; **CAS** [110-54-3];

Melting Point: -95°C (-139°F); **Flash Point:** -23°C ; **Boiling Point:** 69°C ;

Density: $0.659\text{g}/\text{cm}^3$ at 20°C ; **UN:** 1208; Colorless

Meets ACS spectrophotometric requirements. Filtered through 0.2 μm filters.

Maximum level of impurities: Evaporation residue 5ppm, H_2O 0.02%

n-Hexane Optima™



| Quantity | Packaging | Cat. No. |
|----------|--|----------|
| 1L | Amber Glass Bottle, EcoSafPak | H306-1 |
| 4L | Amber Glass Bottle, EcoSafPak | H306-4 |
| 4L | Amber Glass Bottle/Safe-Cote™, EcoSafPak | H306-SK4 |

95%; C_6H_{14} ; **FW.** 86.17; **CAS** [110-54-3] (n-Hexane, 95%), 107-83-5 (2-Methylpentane, 2.3%), 96-14-0 (3-Methylpentane, 1.0%); **DOT Class 3:** Flammable Liquid; **UN:** 1208;

Suitable for EPA Method 1664

Suitable for HPLC, spectrophotometry, and gas chromatography.

Also meets ACS specifications.



n-Hexane Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|------------|--------------|
| 1L | Metal Drum | AC19736-0010 |
| 2.5L | Metal Drum | AC19736-0025 |
| 25L | Metal Drum | AC19736-0250 |

>95%; Hex; C_6H_{14} ; $\text{CH}_3(\text{CH}_2)_4\text{CH}_3$; **FW.** 86.18; **CAS** [110-54-3];

Melting Point: -95.0°C ; **Flash Point:** -22°C ; **Boiling Point:** 69.0°C ;

Density: $0.6590\text{g}/\text{mL}$; **UN:** 1208

n-Hexane HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5L | Glass Bottle | AC23210-0025 |

>95%; Hex; C_6H_{14} ; $\text{CH}_3(\text{CH}_2)_4\text{CH}_3$; **FW.** 86.18; **CAS** [110-54-3];

Melting Point: -95.0°C ; **Flash Point:** -22°C ; **Boiling Point:** 69.0°C ;

Density: $0.6590\text{g}/\text{mL}$; **UN:** 1208

n-Hexane HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC44572-0010 |

>97%; Hex; C_6H_{14} ; $\text{CH}_3(\text{CH}_2)_4\text{CH}_3$; **FW.** 86.18; **CAS** [110-54-3];

Melting Point: -95.0°C ; **Flash Point:** -22°C ; **Boiling Point:** 69.0°C ;

Density: $0.6590\text{g}/\text{mL}$

n-Hexane



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC16078-0010 |
| 2.5L | Glass Bottle | AC16078-0025 |

>99%; Hex; C_6H_{14} ; $\text{CH}_3(\text{CH}_2)_4\text{CH}_3$; **FW.** 86.18; **CAS** [110-54-3];

Melting Point: -95.0°C ; **Flash Point:** -22°C ; **Boiling Point:** 69.0°C ;

Density: $0.6590\text{g}/\text{mL}$; **UN:** 1208

n-Hexane HPLC Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA39199K2 |
| 4L | ---- | AA39199K7 |

95% min; $\text{CH}_3(\text{CH}_2)_4\text{CH}_3$; **FW.** 86.18; **CAS** [110-54-3];

Melting Point: -95°C (-139°F); **Flash Point:** -23°C ; **Boiling Point:** 69°C ;

Density: $0.659\text{g}/\text{mL}$

Hexanes

BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002999 |
| 4L | Aluminum Bottle | 02003000 |
| 20L | Steel Pail | 02002998 |

$\text{CH}_2(\text{CH}_2)_4\text{CH}_3$; **F.W.** 86.18; **CAS** [110-54-3]; **Flash Point:** -23.00°C;
Boiling Point: 68.7°C; **Density:** 0.663g/mL at 25°C (typical);
 Meets ACS Reagent Chemical Requirements.

Hexanes

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 500mL | Glass Bottle | H292-500 |
| 1L | Glass Bottle | H292-1 |
| 4L | Glass Bottle | H292-4 |
| 4L | Glass Bottle/Safe-Cote™ | H292SK-4 |
| 20L | Steel Pail | H292-20 |
| 200L | Steel Drum | H292-200 |

≥98.5 %; C_6H_{14} ; **F.W.** 86.18; **CAS** [110-54-3];

Melting Point: -95°C (-139°F);

Flash Point: -6.7°C (+20°F);

Boiling Point: 65.5° to 68.3°C (150° to 155°F);

Density: 0.653 to 0.673g/mL (at 25°C); **DOT Class 3:** Flammable Liquid;

UN: 1208; Colorless

Meets or exceeds the latest ACS specifications. Actual lot analysis on label.



Hexanes

Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | H291-500 |
| 4L | Glass Bottle | H291-4 |
| 20L | Steel Pail | H291-20 |
| 200L | Steel Drum | H291-200 |

Naptha Solvent, Petroleum Naptha Solvent; C_6H_{14} ;

F.W. 86.18; **CAS** [110-54-3, 110-82-7, 64742-49-0];

Melting Point: -95°C (-139°F); **Flash Point:** -22°C;

Boiling Point: 62° to 69°C; **Density:** 2.97 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1208

Purity is guaranteed to meet published maximum limits of impurities.



Hexanes

GC Resolv™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | H307-4 |

99.9% min by GC (aliphatic C6 hydrocarbons);

65% min n-hexane; C_6H_{14} ; **F.W.** 86.18; **CAS** [110-54-3];

Melting Point: -95°C (-139°F); **Flash Point:** -22°C;

Boiling Point: 62° to 69°C; **Density:** 2.97 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1208

High purity solvent for GC, GC/MS, pesticide residue analysis, and trace analysis.

Solvent is concentrated 500-fold and evaluated for ECD-responsive substances at ppt levels.

Solvent is concentrated 500-fold and evaluated for FID-responsive substances at ppb levels.

Suitable for environmental applications and EPA methods.

Certificate of Lot Analysis included with each bottle;

UV and other chromatograms available on request.



Hexanes

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|-----------|
| 1L | Glass Bottle | H302-1 |
| 1L | Glass Bottle, Safe-Cote™ | H302SK-1 |
| 4L | Glass Bottle | H302-4 |
| 4L | Glass Bottle, Safe-Cote™ | H302SK-4 |
| 19L | NOWPak™ I | H302N1-19 |

98.5% min by GC; C_6H_{14} ; **F.W.** 86.18; **CAS** [110-54-3];

Melting Point: -95°C (-139°F); **Flash Point:** -22°C;

Boiling Point: 62° to 69°C (143.6° to 156.2°F);

Density: 2.97 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1208

HPLC mobile phase for analytical and preparative separations.

High UV transmittance and low evaporation residue.

Filtered through a sub-micron filter to remove particulates.

This product also meets ACS specifications.



Hexanes

Optima™



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 1L | Glass Bottle | H303-1 |
| 4L | Glass Bottle | H303-4 |
| 4L | Glass Bottle/Safe-Cote™ | H303SK-4 |

99.9% min by GC; C_6H_{14} ; **F.W.** 86.18; **CAS** [110-54-3];

Melting Point: -95°C (-139°F); **Flash Point:** -22°C;

Boiling Point: 62° to 69°C; **Density:** 2.97 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1208; Colorless

High purity and versatile solvent for HPLC, GC, GC/MS, and pesticide residue analysis.

High UV transmittance and low evaporation residue.

Filtered through a sub-micron filter to remove particulates. Packaged under nitrogen.

This product also meets ACS specifications.

Certificate of Lot Analysis included with each bottle; UV and other chromatograms available on request.



Hexanes

Pesticide Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | H300-4 |

C_6H_{14} ; **F.W.** 86.18; **CAS** [110-54-3];

Melting Point: -95°C (-139°F); **Flash Point:** -22°C;

Boiling Point: 62° to 69°C; **Density:** 2.97 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1208

For pesticide residue analysis by GC-ECD. Suitable for sample prep prior to GC-ECD for environmental applications. This product also

meets ACS specifications.



Hexanes

Spectranalyzed™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | H334-1 |

≥98.5%; Naphtha Solvent; C_6H_{14} ;

F.W. 86.18; **CAS** [110-54-3];

Melting Point: -95°C (-139°F); **Flash Point:** -22°C;

Boiling Point: 62° to 69°C; **Density:** 2.97 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1208

Suitable for use in ultraviolet and infrared spectroscopy.

Also meets ACS specifications.



Hexanes Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Aluminum Can | N3S-4 |
| 20L | Steel Pail | N3-20 |

Naphtha Solvent; CAS [110-54-3, 110-82-7, 64742-49-0]; **Flash Point:** -22°C; **Boiling Point:** 60° to 90°C; **Density:** 2.97 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1208 General laboratory use.



Isooctane Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | 0299-1 |
| 4L | Glass Bottle | 0299-4 |

≥99%; 2,2,4-Trimethylpentane; C₈H₁₈; (CH₃)₃CCH₂CH(CH₃)₂; **F.W.** 114.23; CAS [540-84-1]; **Melting Point:** -107°C; **Flash Point:** -12°C; **Boiling Point:** 98° to 99°C; **Density:** 3.94 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1262



Hexanes HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|--------------|
| 4L | EcoSafPak | AC61007-0040 |

Hex; C₆H₁₄; CH₃(CH₂)₄CH₃; **F.W.** 86.18; CAS [92112-69-1, 110-54-3]; **Melting Point:** -95.0°C; **Flash Point:** -22°C; **Boiling Point:** 69.0°C; **Density:** 0.6590g/mL; **UN:** 1208

Hexanes, 95% HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--|----------|
| 4L | Narrow Mouth PVC-Coated Amber Glass Bottle | 02002996 |

95% n-hexane; CH₃(CH₂)₄CH₃; **F.W.** 86.18; CAS [110-54-3]; **Flash Point:** -23.00°C; **Boiling Point:** 68.7°C; **Density:** 0.663g/mL at 25°C (typical) Meets ACS Reagent Chemical Requirements.

Hexanes, 99% ULTRA RESI-ANALYZED™



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02002992 |
| 4L | Narrow Mouth Amber Glass Bottle | 02002993 |

99% n-Hexane; CH₃(CH₂)₄CH₃; **F.W.** 86.18; CAS [110-54-3]; **Flash Point:** -23.00°C

Hexanes, Mixed Isomers, 60+% Alfa Aesar



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA19353K7 |

Liquid; C₆H₁₄; **F.W.** 86.18; CAS [92112-69-1]; **Melting Point:** -95°C; **Flash Point:** <-23°C (-9°F); **Boiling Point:** 65° to 70°C; **Density:** 0.67g/mL; **UN:** 1208

Hexanes Packaged under Nitrogen, 95% HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02002994 |
| 4L | Narrow Mouth Amber Glass Bottle | 02002995 |

95% n-hexane; CH₃(CH₂)₄CH₃; **F.W.** 86.18; CAS [110-54-3]; **Flash Point:** -23.00°C; Packaged under Nitrogen

Isobutanol Spectrophotometric Grade Alfa Aesar



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA32433K7 |

>99%; C₄H₁₀O; **F.W.** 74.12; CAS [78-83-1]; **Melting Point:** -108°C (-162°F); **Flash Point:** 28°C; **Boiling Point:** 107° to 108°C (225° to 226°F); **Density:** 0.802g/cm³; **UN:** 1212; Colorless Maximum level of impurities: Evaporation residue 5ppm, H₂O 0.10%.

Isooctane HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 1L | Glass Bottle | 0296-1 |
| 1L | Glass Bottle/Safe-Cote™ | 0296SK-1 |
| 4L | Glass Bottle | 0296-4 |
| 4L | Glass Bottle/Safe-Cote™ | 0296SK-4 |

≥99%; 2,2,4-Trimethylpentane; C₈H₁₈; **F.W.** 114.23; CAS [540-84-1]; **Melting Point:** -107°C; **Flash Point:** -12°C; **Boiling Point:** 98° to 99°C; **Density:** 3.94 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1262 Submicron filtered. Also meets ACS specifications.



Isooctane Optima™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | 0301-4 |

99.9% min by GC; 2,2,4-Trimethylpentane, Isobutyltrimethylmethane; C₈H₁₈; (CH₃)₃CCH₂CH(CH₃)₂; **F.W.** 114.23; CAS [540-84-1]; **Melting Point:** -107°C; **Flash Point:** -12°C; **Boiling Point:** 98° to 99°C; **Density:** 3.94 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1262; High purity and versatile solvent for HPLC, GC and pesticide residue analysis. High UV transmittance and low evaporation residue. Filtered through a sub-micron filter to remove particulates. Packaged under nitrogen. This product also meets ACS specifications. Certificate of Lot Analysis included with each bottle; UV and other chromatograms available on request.



Isooctane Pesticide Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | 0297-4 |

2,2,4-Trimethylpentane; C₈H₁₈; (CH₃)₃CCH₂CH(CH₃)₂; **F.W.** 114.23; CAS [540-84-1]; **Melting Point:** -107°C; **Flash Point:** -12°C; **Boiling Point:** 98° to 99°C; **Density:** 3.94 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1262 Packaged under nitrogen.



Isooctane Spectranalyzed™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | 0300-1 |
| 4L | Glass Bottle | 0300-4 |

≥99%; 2,2,4-Trimethylpentane, Isobutyltrimethylmethane; C₈H₁₈; (CH₃)₃CCH₂CH(CH₃)₂; **F.W.** 114.23; CAS [540-84-1]; **Melting Point:** -107°C; **Flash Point:** -12°C; **Boiling Point:** 98° to 99°C; **Density:** 3.94 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1262 For use in the ultraviolet and infrared ranges. Also meets ACS specifications.



Isopropanol Biochemical and Histological Grade

| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 1L | AcroSeal™ Glass Bottle | AC44708-0010 |
| 2.5L | AcroSeal™ Glass Bottle | AC44708-0025 |

99%; Isopropyl alcohol, 2-Propanol, IPA; C₃H₈O; (CH₃)₂CHOH;
FW. 60.10; **CAS** [67-63-0]; **Melting Point:** -89.5°C; **Flash Point:** 12°C;
Boiling Point: 81.0° to 83.0°C; **Density:** 0.7850g/mL

Isopropanol Extra Dry

| Quantity | Packaging | Cat. No. |
|----------|--|--------------|
| 100mL | AcroSeal™ Glass Bottle Packed in Tin Can | AC61043-1000 |

99.5%; Isopropyl alcohol, 2-Propanol, IPA; C₃H₈O; (CH₃)₂CHOH;
FW. 60.10; **CAS** [67-63-0]; **Melting Point:** -89.5°C; **Flash Point:** 12°C;
Boiling Point: 81.0°C to 83.0°C; **Density:** 0.7850g/mL; **UN:** 1219

Isopropanol HPLC Grade

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC38391-0010 |
| 2.5L | Glass Bottle | AC38391-0025 |

99.5%; Isopropyl alcohol, 2-Propanol, IPA; C₃H₈O; (CH₃)₂CHOH;
FW. 60.10; **CAS** [67-63-0]; **Melting Point:** -89.5°C; **Flash Point:** 12°C;
Boiling Point: 81.0° to 83.0°C; **Density:** 0.7850g/mL

Isopropanol Technical Grade

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5L | Plastic Drum | AC44425-0050 |

Isopropyl alcohol, 2-Propanol, IPA; C₃H₈O; (CH₃)₂CHOH; **FW.** 60.10;
CAS [67-63-0]; **Melting Point:** -89.5°C; **Flash Point:** 12°C;
Boiling Point: 81.0° to 83.0°C; **Density:** 0.7850g/mL

Isopropanol, 70% (v/v) Aqueous Solution

| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 500mL | Poly Natural Bottle | 421016 |
| 1L | Poly Natural Bottle | 421032 |
| 4L | Amber Glass Bottle | 42101G |
| 4L | Poly Natural Bottle | 42101 |
| 10L | Cubitainer™ | 421025 |
| 20L | Cubitainer™ | 42105 |
| 20L | Hard-Pak | 42105HP |
| 55 gal | Drum | 421055 |

2-Propanol; **CAS** [7732-18-5, 67-63-0]

Isopropanol, 99.5% Molecular Biology Grade

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC32727-0010 |

99.5%; Isopropyl alcohol, 2-Propanol, IPA; C₃H₈O; (CH₃)₂CHOH;
FW. 60.10; **CAS** [67-63-0]; **Melting Point:** -89.5°C;
Flash Point: 12°C (53.6°F); **Boiling Point:** 81.0° to 83.0°C;
Density: 2.1 (Air = 1.0); **UN:** 1219

Isopropanol, 99.5% For Spectroscopy ACS

| Quantity | Packaging | Cat. No. |
|----------|--------------------------|--------------|
| 500mL | Glass Bottle, EcoSafPak™ | AC41279-5000 |

99.5%; Isopropyl alcohol, 2-Propanol, IPA; C₃H₈O; (CH₃)₂CHOH;
FW. 60.10; **CAS** [67-63-0]; **Melting Point:** -89.5°C; **Flash Point:** 12°C;
Boiling Point: 81.0° to 83.0°C; **Density:** 0.7850g/mL; **UN:** 1219

Isopropanol, 99.5+% Pure

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC14932-0010 |
| 2.5L | Glass Bottle | AC14932-0025 |
| 5L | Plastic Drum | AC14932-0050 |
| 25L | Metal Drum | AC14932-0250 |

≥99.5%; Isopropyl alcohol, 2-Propanol, IPA; C₃H₈O; (CH₃)₂CHOH;
FW. 60.10; **CAS** [67-63-0]; **Melting Point:** -89.5°C; **Flash Point:** 12°C;
Boiling Point: 81.0° to 83.0°C; **Density:** 0.7850g/mL; **UN:** 1219

Isopropanol, 99.6% ACS Reagent Grade

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Glass Bottle | AC42383-5000 |
| 1L | Glass Bottle | AC42383-0010 |
| 4L | EcoSafPak | AC42383-0040 |

99.6%; Isopropyl alcohol, 2-Propanol, IPA; C₃H₈O; (CH₃)₂CHOH;
FW. 60.10; **CAS** [67-63-0]; **Melting Point:** -89.5°C; **Flash Point:** 12°C;
Boiling Point: 81.0° to 83.0°C; **Density:** 0.7850g/mL; **UN:** 1219

Isopropanol, 99.8% Electronic Grade

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC32793-0010 |

99.8%; Isopropyl alcohol, 2-Propanol, IPA; C₃H₈O; (CH₃)₂CHOH;
FW. 60.10; **CAS** [67-63-0]; **Melting Point:** -89.5°C; **Flash Point:** 12°C;
Boiling Point: 81.0° to 83.0°C; **Density:** 0.7850g/mL; **UN:** 1219

Isopropanol, 99+% For Spectroscopy

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC16788-0010 |

≥99%; Isopropyl alcohol, 2-Propanol, IPA; C₃H₈O; (CH₃)₂CHOH;
FW. 60.10; **CAS** [67-63-0]; **Melting Point:** -89.5°C; **Flash Point:** 12°C;
Boiling Point: 81.0° to 83.0°C; **Density:** 0.7850g/mL; **UN:** 1219

Isopropanol, 99.9% HPLC Grade

| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 4L | AcroSeal™ Glass Bottle | AC61008-0040 |

99.9%; Isopropyl alcohol, 2-Propanol, IPA; C₃H₈O; (CH₃)₂CHOH;
FW. 60.10; **CAS** [67-63-0]; **Melting Point:** -89.5°C; **Flash Point:** 12°C;
Boiling Point: 81.0°C to 83.0°C; **Density:** 0.7850g/mL; **UN:** 1219

Isopropyl Alcohol, 70% GMP/USP/NF Grade

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 55 gal. | Metal Drum | 16101395 |
| 55 gal. | UV Poly Drum | 16101396 |

IPA 70%, Isopropanol, 2-Propanol; C₃H₈O; **FW.** 60.1;
CAS [67-63-0, 7732-18-5]; **Melting Point:** -90°C (-130°F);
Flash Point: 18.3°C (64.9°F); **Boiling Point:** 83°C (181°F); **UN:** 1219;
 Colorless, Clear. General use organic solvent.

Isopropyl Alcohol, 70% USP/NF Grade

| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 55 gal. | Metal Drum | 16102062 |

Liquid; 70%; IPA 70%, Isopropanol, 2-Propanol; C₃H₈O; **FW.** 60.1;
CAS [67-63-0, 7732-18-5]; **Melting Point:** -90°C (-130°F);
Flash Point: 18.3°C (64.9°F); **Boiling Point:** 83°C (181°F); **UN:** 1219;
 Colorless; General use organic solvent

Isopropyl Alcohol, 99% World/GMP, ACS/USP/FCC/EP/BP/JP Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | 16101397 |
| 5 gal. | Metal Pail | 16101401 |
| 5 gal. | Poly Pail | 16101400 |
| 55 gal. | Metal Drum | 16101398 |
| 55 gal. | UV Poly Drum | 16101399 |

IPA 99%, Isopropanol, 2-Propanol; C₃H₈O; **FW.** 60.1; CAS [67-63-0]; **Melting Point:** -90°C (-130°F); **Flash Point:** 12°C (53.6°F); **Boiling Point:** 83°C (181°F); **Density:** 0.858g/mL at 25°C (77°F); **UN:** 1219; Colorless; General use organic solvent

Isopropyl Alcohol, 99% USP/NF Grade



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 55 gal. | Metal Drum | 16102063 |

IPA 99%, Isopropanol, 2-Propanol; C₃H₈O; **FW.** 60.1; CAS [67-63-0, 7732-18-5]; **Melting Point:** -90°C (-130°F); **Flash Point:** 18.3°C (64.9°F); **Boiling Point:** 83°C (181°F); **UN:** 1219; Colorless; General use organic solvent

Isopropyl Alcohol, ≥99.5% ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|-----------|
| 1L | Amber Glass Bottle | LC157502 |
| 4 × 4L | Amber Glass Bottle | LC1575044 |
| 20L | Cubitainer™ | LC157505 |

≥99.5%; IPA, 2-Propanol; C₃H₈O; **FW.** 60.09; CAS [67-63-0]; **Melting Point:** -88°C; **Flash Point:** 12°C; **Boiling Point:** 82°C (180°F); **Density:** 785kg/m³; **DOT Class 3:** Flammable Liquid; **UN:** 1219

Ligroine, Heptane, 100% Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | 03387-4 |

Petroleum Ether; C₇H₁₆; **FW.** 100.2; CAS [142-82-5]; **Melting Point:** -91°C; **Flash Point:** -4°C (+25°F); **Boiling Point:** 98°C; **Density:** 3.5 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1206



Methanol BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02003345 |
| 4L | Pressure Bottom Poly Bottle | 02003346 |
| 20L | Steel Pail | 02003344 |

CH₃OH; **FW.** 32.04; CAS [67-56-1]; **Flash Point:** 12.00°C
Meets ACS Reagent Chemical Requirements.

Methanol HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02003342 |
| 4L | Narrow Mouth PVC-Coated Amber Glass Bottle | 02003349 |

Hydroxymethane, Methyl hydrate; CH₃O; **FW.** 32.04; CAS [67-56-1]; **Melting Point:** -97.6°C (41°F) **Flash Point:** 12°C; **Boiling Point:** 64.7°C; **Density:** 0.7918g/cm³; For HPLC analysis

Methanol ULTRA RESI-ANALYZED™



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02003343 |

Methyl Alcohol; CH₃OH; **FW.** 32.04; CAS [67-56-1]; **Flash Point:** 12°C

Methanol BAKER ANALYZED™ LC-MS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02003338 |
| 4L | Narrow Mouth Amber Glass Bottle | 02003341 |

CH₃OH; **FW.** 32.04; CAS [67-56-1]; **Flash Point:** 12.00°C; Filtered through a 0.2 micron filter

Methanol BAKER ANALYZED™ ULTRA LC/MS



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 2 × 1L | Narrow Mouth Flint Glass Bottle | 02003339 |
| 1L | Narrow Mouth Flint Glass Bottle | 02003340 |

CH₃OH; **FW.** 32.04; CAS [67-56-1]; **Melting Point:** 113°C to 116°C (41°F); **Flash Point:** 12.00°C

Methanol Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 500mL | Glass Bottle | A412-500 |
| 1L | Glass Bottle | A412-1 |
| 4L | Glass Bottle | A412-4 |
| 4L | Glass Bottle, Safe-Cote™ | A412SK-4 |
| 4L | Poly Bottle | A412P-4 |
| 20L | Steel Pail | A412-20 |
| 200L | Steel Drum | A412-200 |

Assay: ≥99.8%; Methyl Alcohol; CH₃O; **FW.** 32.04; CAS [67-56-1]; **Melting Point:** -98°C (-144.4°F); **Flash Point:** 12°C (53.6°F); **Boiling Point:** 64.7°C (148.5°F); **Density:** 1.11 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1230; Colorless



Methanol Electronic Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | A947-4 |

99.8% min by GC; Methyl Alcohol, MeOH; CH₃O; **FW.** 32.04; CAS [67-56-1]; **Melting Point:** -98°C (-144.4°F); **Flash Point:** 12°C (53.6°F); **Boiling Point:** 64.7°C; **Density:** 1.11 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1230
Suitable for use in electronics and circuit board manufacturing. Manufactured to ensure low levels of metal contamination. Meet Semiconductor Equipment and Materials Institute (SEMI) requirements. This product also meets ACS specifications.



Methanol

GC Resolv™



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | A457-4 |

≥99.9%; Methyl Alcohol; CH₄O; CH₃OH; F.W. 32.04; CAS [67-56-1]; **Melting Point:** -98°C (-144.4°F); **Flash Point:** 12°C (53.6°F); **Boiling Point:** 64.7°C; **Density:** 1.11 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1230

Suitable for high-resolution gas chromatography and for organic residue analysis. Packaged under Nitrogen.

Certificate of Lot Analysis included with each bottle;

UV and other chromatograms available on request.



Methanol

Low Water



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | A935-4 |

≥99.8%; Methyl Alcohol; CH₄O; CH₃OH; F.W. 32.04; CAS [67-56-1]; **Melting Point:** -98°C (-144.4°F); **Flash Point:** 12°C (53.6°F); **Boiling Point:** 64.7°C; **Density:** 1.11 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1230

Low water concentration. Also meets ACS specifications.



Methanol

Histological Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|------------|
| 1 gal. | Poly Bottle | A433F1-GAL |
| 4L | Poly Bottle | A433P-4 |
| 4L | Aluminum Can | A433S-4 |
| 20L | Steel Pail | A433S-20 |
| 200L | Steel Drum | A433S-200 |

Methyl Alcohol, Methyl Hydrate; CH₄O; CH₃OH; F.W. 32.04; CAS [67-56-1];

Melting Point: -98°C (-144.4°F);

Flash Point: 12°C (53.6°F); **Boiling Point:** 64.7°C

(148.5°F); **Density:** 1.11 (Air = 1.0); **DOT Class 3:** Flammable Liquid;

UN: 1230

Used in histology applications.



Methanol

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|-----------|
| 1L | Glass Bottle | A452-1 |
| 1L | Glass Bottle, Safe-Cote™ | A452SK-1 |
| 4L | Glass Bottle | A452-4 |
| 4L | Glass Bottle, Safe-Cote™ | A452SK-4 |
| 19L | NOWPak™ I | A452N1-19 |

99.9% min by GC; MeOH, Methyl Alcohol; CH₄O; CH₃OH; F.W. 32.04; CAS [67-56-1];

Melting Point: -98°C (-144.4°F);

Flash Point: 12°C (53.6°F);

Boiling Point: 64.7°C (148.5°F); **Density:** 1.11 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1230; Colorless

HPLC mobile phase for analytical and preparative separations.

High UV transmittance and low evaporation residue.

Suitable for gradient and isocratic conditions.

Filtered through a 0.2µm filter to remove particulates.

This product also meets ACS specifications.



Methanol

Optima™ LC/MS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | A456-1 |
| 4L | Glass Bottle | A456-4 |

99.9% min by GC; MeOH, Methyl Alcohol; CH₄O; CH₃OH; F.W. 32.04; CAS [67-56-1];

Melting Point: -98°C (-144.4°F);

Flash Point: 12°C (53.6°F);

Boiling Point: 64.7°C (148.5°F); **Density:** 1.11 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1230; Colorless

Ideal mobile phase for LC/MS and UHPLC-UV applications in pharmaceutical, biotechnology, clinical, environmental and food safety industries.

Novel gradient elution test with Photodiode Array Detector screens for UV-absorbing contaminants at every wavelength in the 200 to 400nm range to afford smooth baselines and to reduce interferences.

Evaluated for 17 metal impurities at ppb concentrations to minimize the formation of metal adducts during analysis and simplify spectral interpretation.

0.1 micron filtration minimizes troublesome particles that may interfere with LC/MS and UHPLC system performance and provides an ideal solution to prepare cleaner, particle-free mobile phase blends.

Positive mode ionization (as propazine) and negative mode ionization (as mecoprop) with ESI and Single Quadrupole MS detect organic contaminants at max 100ppb and max 300ppb, respectively.

Actual Lot Analysis reported on label;

Certificate of Actual Lot Analysis available on request.



Methanol

Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | A411-4 |
| 20L | Steel Pail | A411-20 |

Methyl Alcohol, Methyl Hydrate; CH₄O; CH₃OH; F.W. 32.04; CAS [67-56-1];

Melting Point: -98°C (-144.4°F);

Flash Point: 12°C (53.6°F); **Boiling Point:** 64.7°C;

Density: 1.11 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1230

General purpose laboratory use.



Methanol

Optima™

F

| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 1L | Glass Bottle | A454-1 |
| 4L | Glass Bottle | A454-4 |
| 4L | Glass Bottle, Safe-Cote™ | A454SK-4 |

99.9% min by GC; MeOH, Methyl Alcohol; CH₃O;

CH₃OH; **F.W.** 32.04; CAS [67-56-1];

Melting Point: -98°C (-144.4°F);

Flash Point: 12°C (53.6°F);

Boiling Point: 64.7°C (148.5°F); **Density:** 1.11 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1230; Colorless

High purity and versatile solvent for HPLC. Certificate of Lot Analysis included with each bottle. UV and other chromatograms available on request. High UV transmittance and low evaporation residue. Suitable for gradient and isocratic conditions. HPLC mobile phase for analytical and preparative separations. Filtered through a 0.2µm filter to remove particulates. This product also meets ACS specifications.



Methanol

ChromAR®



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | MK30414 |

CH₃OH; **F.W.** 32.04; CAS [67-56-1]; Anhydrous

Methanol

HPLC Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA22909K2 |
| 4L | ---- | AA22909K7 |
| 4 × 4L | ---- | AA22909M6 |

Liquid; >99.8%; CH₃OH; **F.W.** 32.04; CAS [67-56-1];

Melting Point: -98°C (-144.4°F); **Flash Point:** 11°C;

Boiling Point: 64.7°C; **Density:** 0.791g/mL

Methanol

Pesticide Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------------------------|----------|
| 4L | Amber Glass Bottle, EcoSafPak™ | A450-4 |

Methyl Alcohol; CH₃O; CH₃OH; **F.W.** 32.04;

CAS [67-56-1]; **Melting Point:** -98°C (-144.4°F);

Flash Point: 12°C (53.6°F); **Boiling Point:** 64.7°C;

Density: 1.11 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1230



Methanol

Residue Analysis Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 500mL | Amber Glass Bottle | A453-500 |
| 1L | Amber Glass Bottle | A453-1 |

≥99.9%; Methyl Alcohol, Methyl Hydrate; CH₃O;

CH₃OH; **F.W.** 32.04; CAS [67-56-1];

Melting Point: -98°C (-144.4°F);

Flash Point: 12°C (53.6°F); **Boiling Point:** 64.7°C;

Density: 1.11 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1230

Certificate of Lot Analysis included with each bottle;

UV and other chromatograms available on request.

Purge and trap suitable for volatile organic residue analysis;

Packaged under Nitrogen. Submicron filtered.



Methanol

Spectranalyzed™

F

| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 1L | Glass Bottle | A408-1 |
| 4L | Glass Bottle | A408-4 |
| 4L | Glass Bottle, Safe-Cote™ | A408SK-4 |

≥99.8%; Methyl Alcohol, Methyl Hydrate; CH₃O;

CH₃OH; **F.W.** 32.04; CAS [67-56-1];

Melting Point: -98°C (-144.4°F);

Flash Point: 12°C (53.6°F); **Boiling Point:** 64.7°C;

Density: 1.11 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1230

For use in the ultraviolet range. Also meets ACS specifications.



Methanol

Biochemistry Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4 × 4L | ---- | AA44571M6 |

>99.8%; CH₃OH; **F.W.** 32.04; CAS [67-56-1];

Melting Point: -98°C (-144.4°F); **Flash Point:** 11°C;

Boiling Point: 64.7°C; **Density:** 0.791g/mL; Filtered through 0.2µm filter

Methanol



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | 16101424 |
| 5 gal. | Poly Pail | 16101427 |

Methyl Alcohol, Methyl Hydroxide, Methyl Hydrate; CH₃O; **F.W.** 32.04;

CAS [67-56-1]; **Melting Point:** -98°C (-144.4°F);

Flash Point: 11°C (52°F); **Boiling Point:** 64°C (147°F);

Density: 0.791g/mL at 25°C (77°F); **UN:** 1230; Colorless

General purpose organic solvent

Methanol

ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|------------|--------------|
| 1L | Metal Drum | AC42395-0010 |
| 4L | Metal Drum | AC42395-0040 |
| 20L | Metal Drum | AC42395-0200 |

≥99.8%; Methyl alcohol; CH₃O; CH₃OH; **F.W.** 32.04; CAS [67-56-1];

Melting Point: -98.0°C; **Flash Point:** 12°C; **Boiling Point:** 64.7°C;

Density: 0.7910g/mL; **UN:** 1230

Methanol Extra Dry

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------|----------|--------------|--------------|
| | 100mL | Glass Bottle | AC36439-1000 |
| | 1L | Glass Bottle | AC36439-0010 |

99.8%; Methyl alcohol; CH₄O; CH₃OH; **FW**. 32.04; CAS [67-56-1];
Melting Point: -98.0°C; **Flash Point**: 12°C; **Boiling Point**: 64.7°C;
Density: 0.7910g/mL; **UN**: 1230

Methanol Extra Dry

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------|----------|--------------------|--------------|
| | 1L | Amber Glass Bottle | AC61040-0010 |

99.8%; Methyl alcohol; CH₄O; CH₃OH; **FW**. 32.04;
Melting Point: -98.0°C; **Flash Point**: 12°C; **Boiling Point**: 64.7°C;
Density: 0.7910g/mL; **UN**: 1230

Methanol Extra Pure

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------|----------|--------------|--------------|
| | 1L | Glass Bottle | AC17715-0010 |
| | 2.5L | Glass Bottle | AC17715-0025 |
| | 25L | Plastic Drum | AC17715-0250 |

≥99%; Methyl Alcohol; CH₄O; CH₃OH; **FW**. 32.04; CAS [67-56-1];
Melting Point: -98.0°C; **Flash Point**: 12°C; **Boiling Point**: 64.7°C;
Density: 0.7910g/mL; **UN**: 1230

Methanol ACS Grade

| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | LC168004 |

≥99.8%; Wood Alcohol; CH₃OH; **FW**. 32.04; CAS [67-56-1];
Melting Point: -98°C; **Flash Point**: 9.7°C; **Boiling Point**: 65°C;
Density: 792kg/m³; **UN**: 1230

Methanol BAKER ANALYZED™ ACS Reagent

| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02003360 |

CH₃OH; **FW**. 32.04; CAS [67-56-1]; **Flash Point**: 12.00°C; Anhydrous
 Meets ACS Reagent Chemical Requirements.

Methanol Extra Dry

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------|----------|--|--------------|
| | 100mL | AcroSeal™ Glass Bottle Packed in Tin Can | AC61098-1000 |

99.8%; Methyl Alcohol; CH₄O; CH₃OH; **FW**. 32.04;
Melting Point: -98.0°C; **Flash Point**: 12°C; **Boiling Point**: 64.7°C;
Density: 0.7910g/mL; **UN**: 1230

Methanol HPLC Grade

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | --- | AA41467K7 |

CH₃OH; **FW**. 32.04; CAS [67-56-1]; Methanol; Anhydrous; 99%

Methanol HPLC Grade

| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | LC168104 |

≥99.8%; Wood Alcohol; CH₃OH; **FW**. 32.04; CAS [67-56-1]; **UN**: 1230

Methanol HPLC Grade

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------|----------|-----------|--------------|
| | 4L | EcoSafPak | AC61009-0040 |

99.9%; Methyl Alcohol; CH₄O; CH₃OH; **FW**. 32.04;
Melting Point: -98.0°C; **Flash Point**: 12°C; **Boiling Point**: 64.7°C;
Density: 0.7910g/mL; **UN**: 1230

Methanol Technical Grade

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------|----------|--------------|--------------|
| | 5L | Plastic Drum | AC44431-0050 |

Methyl Alcohol; CH₄O; CH₃OH; **FW**. 32.04; CAS [67-56-1];
Melting Point: -98.0°C; **Flash Point**: 12°C; **Boiling Point**: 64.7°C;
Density: 0.7910g/mL

Methanol, Anhydrous

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | --- | AA41838K2 |

99.9%; CH₃OH; **FW**. 32.04; CAS [67-56-1];
Melting Point: -98°C (-144.4°F); **Flash Point**: 11°C;
Boiling Point: 64.7°C; **Density**: 0.791g/mL

Methyl tert-Butyl Ether HPLC Grade

| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02003381 |
| 4L | Narrow Mouth Amber Glass Bottle | 02003385 |

(CH₃)₃COCH₃; **FW**. 88.15; CAS [1634-04-4]; **Flash Point**: -27.00°C

Methyl tert-Butyl Ether ULTRA RESI-ANALYZED™

| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02003382 |
| 4L | Narrow Mouth Amber Glass Bottle | 02003386 |

(CH₃)₃COCH₃; **FW**. 88.15; CAS [1634-04-4]; **Flash Point**: -27.00°C

Methyl iso-Butyl Ketone BAKER ANALYZED™ ACS Reagent

| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02003482 |

CH₃COCH₂CH(CH₃)₂; **FW**. 100.16; CAS [108-10-1]; **Flash Point**: 14.00°C;
Boiling Point: 39.5°C (typical); **Density**: 1.318g/mL at 25°C (typical)
 Meets ACS Reagent Chemical Requirements.

Methyl iso-Butyl Ketone Certified ACS

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | M213-1 |
| 4L | Glass Bottle | M213-4 |
| 20L | Steel Pail | M213-20 |
| 200L | Steel Drum | M213-200 |

≥98.5%; Hexone, Isobutyl Methyl Ketone, Isopropylacetone, 4-Methyl-2-Pentanone; C₆H₁₂O; **FW**. 100.16; CAS [108-10-1];
Melting Point: -84°C (-119°F); **Flash Point**: 14°C;
Boiling Point: 117°C; **Density**: 3.45 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN**: 1245



Methyl Ethyl Ketone HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02003445 |

CH₃COCH₂CH₃; **FW.** 72.11; CAS [78-93-3]; **Flash Point:** -9.00°C
Meets ACS Reagent Chemical Requirements.

Methyl Ethyl Ketone BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--|----------|
| 4L | Narrow Mouth PVC-Coated Amber Glass Bottle | 02003460 |

CH₃COCH₂CH₃; **FW.** 72.11; CAS [78-93-3]; **Flash Point:** -9.00°C
Meets ACS Reagent Chemical Requirements.

Methyl Ethyl Ketone Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | M209-500 |
| 1L | Glass Bottle | M209-1 |
| 4L | Glass Bottle | M209-4 |
| 4L | Aluminum Can | M209S-4 |
| 20L | Steel Pail | M209-20 |
| 200L | Steel Drum | M209-200 |

≥99%; Ethyl Methyl Ketone, 2-Butanone; C₄H₈O; **FW.** 72.11; CAS [78-93-3];
Melting Point: -87°C (-125°F); **Flash Point:** -7°C;
Boiling Point: 80°C; **Density:** 2.41 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1193



Methyl Ethyl Ketone Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | M208-1 |
| 4L | Glass Bottle | M208-4 |
| 20L | Steel Pail | M208-20 |

2-Butanone, Ethyl Methyl Ketone; C₄H₈O; CH₃COC₂H₅;
FW. 72.11; CAS [78-93-3];
Melting Point: -87°C (-125°F); **Flash Point:** -7°C;
Boiling Point: 80°C; **Density:** 2.41 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1193



Methyl Sulfoxide



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | MMX14561 |

Clear Colorless Liquid; 99.9% min.;
Methanesulfinylmethane, Methyl Sulfoxide, DMSO; C₂H₆OS; (CH₃)₂SO;
FW. 78.1; CAS [67-68-5]; **Melting Point:** 18.4°C (65°F);
Flash Point: 87°C; **Boiling Point:** 189°C (1013 hPa);
Density: 1.10g/cm³ (20°C)

Methyl Sulfoxide Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC61097-1000 |

99.7%; Dimethyl sulfoxide, DMSO; C₂H₆OS; (CH₃)₂SO; **FW.** 78.13;
CAS [67-68-5]; **Melting Point:** 18.4°C (65°F); **Flash Point:** 87°C;
Boiling Point: 189.0°C; **Density:** 2.7 (Air = 1.0)

Methyl Sulfoxide Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC32688-1000 |
| 1L | AcroSeal™ Glass Bottle | AC32688-0010 |

≥99.7%; Dimethyl Sulfoxide, DMSO; C₂H₆OS; (CH₃)₂SO;
FW. 78.13; CAS [67-68-5]; **Melting Point:** 18.4°C; **Flash Point:** 87°C;
Boiling Point: 189.0°C; **Density:** 1.1000g/mL

Methyl Sulfoxide ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------|--------------|
| 500mL | Plastic Bottle, EcoSafPak | AC41488-5000 |

≥99.9%; Dimethyl sulfoxide, DMSO; C₂H₆OS; (CH₃)₂SO; **FW.** 78.13;
CAS [67-68-5]; **Melting Point:** 18.4°C; **Flash Point:** 87°C;
Boiling Point: 189.0°C; **Density:** 1.1000g/mL

Methylene Chloride ULTRA RESI-ANALYZED™



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02003395 |

≥99.8%; Dichloromethane; CH₂Cl₂; **FW.** 84.93; CAS [75-09-2];
Melting Point: -95°C; **Boiling Point:** 39.75°C

Methylene Chloride HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02003396 |

4L Narrow Mouth Amber Glass Bottle **02003400**
4L Narrow Mouth PVC-Coated Amber Glass Bottle **02003401**
CH₂Cl₂; **FW.** 84.93; CAS [75-09-2]

Methylene Chloride BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02003402 |

CH₂Cl₂; **FW.** 84.93; CAS [75-09-2]; **Boiling Point:** 39.5°C (typical);
Density: 1.318g/mL at 25°C (typical)
Meets ACS Reagent Chemical Requirements.

Methylene Chloride GC Resolv™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | D154-4 |

99.9% min by GC; Dichloromethane, DCM; CH₂Cl₂;
FW. 84.93; CAS [75-09-2];
Melting Point: -97°C (-142°F); **Boiling Point:** 40°C;
Density: 2.93 (Air = 1.0); **DOT Class 6.1:** Poison;
UN: 1593

High purity solvent for GC, GC/MS, pesticide residue analysis, and trace analysis. Solvent is concentrated 500-fold and evaluated for ECD-responsive substances at ppt levels. Solvent is concentrated 500-fold and evaluated for FID-responsive substances at ppb levels. Suitable for environmental applications and EPA methods. Certificate of Lot Analysis included with each bottle; UV and other chromatograms available on request.



Methylene Chloride HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|----------|
| 1L | Amber Glass Bottle | D150-1 |
| 1L | Amber Glass Bottle/Safe-Cote™ | D150SK-1 |
| 4L | Amber Glass Bottle | D150-4 |
| 4L | Amber Glass Bottle/Safe-Cote™ | D150SK-4 |

99.9% min by GC; Dichloromethane, DCM; CH₂Cl₂; F.W. 84.93; CAS [75-09-2];

Melting Point: -97° deg.C (-142°F); **Boiling Point:** 40°C; **Density:** 2.93 (Air = 1.0);

DOT Class 6.1: Poison; **UN:** 1593

HPLC mobile phase for analytical and preparative separations. High UV transmittance and low evaporation residue. Also suitable for sample prep prior to GC/MS analysis. Unstabilized. No preservative added.



Methylene Chloride HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 1L | Glass Bottle | D143-1 |
| 1L | Glass Bottle/Safe-Cote™ | D143SK-1 |
| 4L | Glass Bottle | D143-4 |
| 4L | Glass Bottle/Safe-Cote™ | D143SK-4 |

99.9% min by GC; Dichloromethane, DCM; CH₂Cl₂; F.W. 84.93; CAS [75-09-2];

Melting Point: -97°C (-142°F); **Boiling Point:** 40°C; **Density:** 2.93 (Air = 1.0); **DOT Class 6.1:** Poison;

UN: 1593

HPLC mobile phase for analytical and preparative separations. High UV transmittance and low evaporation residue. Suitable for gradient and isocratic conditions. Filtered through a sub-micron filter to remove particulates. This product also meets ACS specifications. Stabilized with 15-200ppm amylene.



Methylene Chloride Optima™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | D151-1 |
| 4L | Glass Bottle | D151-4 |

99.9% min by GC; Dichloromethane, DCM; CH₂Cl₂; F.W. 84.93; CAS [75-09-2];

Melting Point: -97°C (-142°F); **Boiling Point:** 40°C; **Density:** 2.93 (Air = 1.0); **DOT Class 6.1:** Poison;

UN: 1593; Colorless

1000-fold concentrated solvent produces interference-free baseline for ultra trace analysis. High purity and versatile solvent for HPLC, GC, GC/MS and pesticide residue analysis. High UV transmittance and low evaporation residue. Filtered through a sub-micron filter to remove particulates. Packaged under Nitrogen. Meets ACS specifications. High purity mobile phase for extraction solvent in GC applications. Certificate of Lot Analysis included with each bottle; UV and other chromatograms available on request.



Methylene Chloride Spectranalyzed™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | D35-1 |
| 4L | Glass Bottle | D35-4 |

>99.5%; Dichloromethane, DCM; CH₂Cl₂; F.W. 84.93; CAS [75-09-2]; **Melting Point:** -97°C (-142°F);

Boiling Point: 40°C; **Density:** 2.93 (Air = 1.0);

DOT Class 6.1: Poison; **UN:** 1593

Suitable for use in the ultraviolet and infrared ranges.



Methylene Chloride Pesticide Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | D142-4 |

Dichloromethane, DCM; CH₂Cl₂; F.W. 84.93; CAS [75-09-2]; **Melting Point:** -97°C (-142°F);

Boiling Point: 40°C; **Density:** 2.93 (Air = 1.0);

DOT Class 6.1: Poison; **UN:** 1593

For pesticide residue analysis by GC-ECD. Suitable for sample prep prior to GC-ECD for environmental applications.



Methylene Chloride HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 1L | Glass Bottle | D138-1 |
| 4L | Glass Bottle | D138-4 |
| 4L | Glass Bottle, SafeCote™ | D138SK-4 |

99.9% min by GC; Dichloromethane, DCM; CH₂Cl₂; F.W. 84.93; CAS [75-09-2];

Melting Point: -97°C (-142°F); **Boiling Point:** 40°C; **Density:** 2.93 (Air = 1.0); **DOT Class 6.1:** Poison;

UN: 1593

HPLC mobile phase for analytical and preparative separations. High UV transmittance and low evaporation residue. Filtered through a sub-micron filter to remove particulates. This product also meets ACS specifications. Stabilized with 15-200ppm amylene. Stabilized with 40-100ppm cyclohexene.



Methylene Chloride Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | D37-500 |
| 1L | Glass Bottle | D37-1 |
| 4L | Glass Bottle | D37-4 |
| 4L | Glass Bottle | D37SK-4 |
| 20L | Steel Pail | D37-20 |
| 200L | Steel Drum | D37-200 |

>99.5%; Dichloromethane, DCM; CH₂Cl₂; F.W. 84.93; CAS [75-09-2]; **Melting Point:** -97°C (-142°F);

Boiling Point: 40°C; **Density:** 2.93 (Air = 1.0);

DOT Class 6.1: Poison; **UN:** 1593; Colorless

Stabilized with preservative. Meets or exceeds the latest ACS specifications. Actual lot analysis on label.



Murexide Indicator Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | LC175101 |

C₈H₈N₆O₆; F.W. 284.18; CAS [7647-14-5, 3051-09-0]; Solid

Pentane HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02003536 |
| 4L | Narrow Mouth PVC-Coated Amber Glass Bottle | 02003537 |

CH₃(CH₂)₄CH₃; F.W. 72.15; CAS [109-66-0]; **Flash Point:** -40.00°C

Pentane ULTRA RESI-ANALYZED™



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02003534 |
| 4L | Narrow Mouth Amber Glass Bottle | 02003538 |

CH₃(CH₂)₄CH₃; F.W. 72.15; CAS [109-66-0]; **Flash Point:** -40.00°C

Pentane Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | 04062-4 |
| 20L | Steel Pail | 04062-20 |

≥98%; C₅H₁₂; CH₃(CH₂)₃CH₃; F.W. 72.15; CAS [109-66-0]; **Melting Point:** -130°C (-202°F); **Flash Point:** -49°C; **Boiling Point:** 36°C (41°F)
Density: 2.5 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1265



Petroleum Ether Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 500mL | Glass Bottle | E139-500 |
| 1L | Glass Bottle | E139-1 |
| 4L | Glass Bottle | E139-4 |
| 4L | Glass Bottle, Safe-Cote™ | E139SK-4 |
| 4L | Aluminum Can | E139S-4 |
| 20L | Steel Pail | E139-20 |
| 200L | Steel Drum | E139-200 |

Ligroine, Benzene; CAS [8032-32-4]; **Melting Point:** -40°C (-40°F); **Flash Point:** -17.8°C (0°F); **Boiling Point:** 38°C; **Density:** 0.66g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1268

Also meets specifications of the American Oil Chemists Society and the National Cottonseed Producers Association.



Pentane HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|----------|
| 1L | Amber Glass Bottle | P399-1 |
| 1L | Amber Glass Bottle/Safe-Cote™ | P399SK-1 |
| 4L | Amber Glass Bottle | P399-4 |
| 4L | Amber Glass Bottle/Safe-Cote™ | P399SK-4 |

>99%; C₅H₁₂; CH₃(CH₂)₃CH₃; F.W. 72.15; CAS [109-66-0]; **Melting Point:** -130°C (-202°F); **Flash Point:** -49°C; **Boiling Point:** 36°C (41°F)
Density: 2.5 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1265
 Submicron filtered. Mobile phase for HPLC applications.



Petroleum Ether Optima™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | E120-4 |
| 4L | Glass Bottle | E120SK-4 |

Ligroine, Benzene; CAS [8032-32-4]; **Flash Point:** -17.8°C (0°F); **Boiling Point:** 38°C; **DOT Class 3:** Flammable Liquid; **UN:** 1268;

High purity solvent for pesticide residue analysis. Filtered through a sub-micron filter to remove particulates. Packaged under nitrogen.

This product also meets ACS specifications. High purity extraction solvent for GC applications. Certificate of Lot Analysis included with each bottle; UV and other chromatograms available on request.



Pentane Pesticide Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | P400-4 |

C₅H₁₂; CH₃(CH₂)₃CH₃; F.W. 72.15; CAS [109-66-0]; **Melting Point:** -130°C (-202°F); **Flash Point:** -49°C; **Boiling Point:** 36°C (41°F) **Density:** 2.5 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1265



Petroleum Ether Pesticide Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | P480-4 |

Ligroine, Benzene; CAS [8032-32-4]; **Flash Point:** -17.8°C (0°F); **Boiling Point:** 38°C; **DOT Class 3:** Flammable Liquid; **UN:** 1268
 Also meets ACS specifications



Pentane Spectranalyzed™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | P393-1 |

C₅H₁₂; CH₃(CH₂)₃CH₃; F.W. 72.15; CAS [109-66-0]; **Melting Point:** -129.7°C; **Flash Point:** -49°C; **Boiling Point:** 35°C; **Density:** 2.5 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1265
 Suitable for use in infrared spectroscopy.



Petroleum Ether ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|--------------|
| 500mL | Glass Bottle, EcoSafPak | AC42299-5000 |
| 4L | EcoSafPak | AC42299-0040 |

CAS [64742-49-0]; **Flash Point:** -30°C; **Boiling Point:** 35.0° to 60.0°C; **Density:** 0.6480g/mL; **UN:** 1268

Petroleum Ether 35/60 ACS



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA42085K2 |

Ligroine; CAS [8032-32-4]; **Flash Point:** -49°C; **Boiling Point:** 35° to 60°C (95° to 140°F); **Density:** 0.640g/cm³ at 20°C; Colorless
 Maximum level of impurities: Color (APHA): 10, Boiling range 35-60°C, Evaporation residue: 0.001%, Acidity P.T.

n-Pentane HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA22907K7 |
| 4 x 4L | ---- | AA22907M6 |

99% min.; CH₃(CH₂)₃CH₃; F.W. 72.15; CAS [109-66-0]; **Melting Point:** -130°C (-202°F); **Flash Point:** -49°C; **Boiling Point:** 36°C (97°F); **Density:** 0.626g/cm³; **UN:** 1265; Colorless
 Maximum level of impurities: Evaporation residue 3ppm, H₂O 0.01%.

n-Pentane Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC17007-0010 |
| 2.5L | Glass Bottle | AC17007-0025 |

≥99%; C₅H₁₂; CH₃(CH₂)₃CH₃; F.W. 72.15; CAS [109-66-0]; **Melting Point:** -130.0°C; **Flash Point:** -49°C; **Boiling Point:** 36.0°C; **Density:** 0.6260g/mL; **UN:** 1265

Petroleum Ether 35/60 Environmental Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA40982K7 |

>98%; CAS [8032-32-4]; **Boiling Point:** 35° to 60°C (95° to 140°F);
Density: 0.640g/cm³ at 20°C; **UN:** 1268; Colorless
 Suitable for environmental and pesticide analysis

Platinum Cobalt Color Standard Solution

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | SP120-500 |
| 1L | Glass Bottle | SP120-1 |

CAS [7647-01-0, 7791-13-1, 16921-30-5, 7732-18-5];

Melting Point: 0°C (32°F); **Density:** 1g/mL;

DOT Class 8: Corrosive; **UN:** 1789;

Meets ASTM D1209-00. Conforms to APHA standard.

ChemAlert®
Storage Code
WHITE

1-Propanol

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA41465K2 |
| 4L | ---- | AA41465K7 |

99.9%; CH₃CH₂CH₂OH; **FW:** 60.1; CAS [71-23-8];

Melting Point: -127°C (-197°F); **Flash Point:** 15°C;

Boiling Point: 97°C (2.7°F); **Density:** 0.804g/cm³ at 20°C; **UN:** 1274;

Clear; Packaged under Argon in resealable ChemSeal™ bottles;

Water <100ppm

1-Propanol

ACS Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4 × 4L | ---- | AA43848M6 |

>99.5%; CH₃CH₂CH₂OH; **FW:** 60.1; CAS [71-23-8];

Melting Point: -127°C (-197°F); **Flash Point:** 15°C; **Boiling Point:** 97°C;

Density: 0.804g/cm³ at 20°C; **UN:** 1274; Clear

Maximum level of impurities: Color (APHA) 10, Residue after evaporation 0.001%, Titratable acid 0.0004meq/g, Carbonyl compounds (as C₂H₅CHO) 0.03%, Ethanol (CH₃CH₂OH) 0.01%, Methanol (CH₃OH) 0.01%, Isopropyl alcohol (CH₃CHOCH₃) 0.05%, Water (H₂O) 0.2%, Solubilities in water P.T.

1-Propanol

Certified

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A414-500 |
| 1L | Glass Bottle | A414-1 |
| 4L | Glass Bottle | A414-4 |
| 4L | Aluminum Can | A414S-4 |
| 20L | Steel Pail | A414-20 |

n-Propyl Alcohol; C₃H₈O; CH₃CH₂CH₂OH; **FW:** 60.09;

CAS [71-23-8]; **Melting Point:** -127°C (-197°F);

Flash Point: 15°C; **Boiling Point:** 97°C;

Density: 2.07 (Air=1.0);

DOT Class 3: Flammable Liquid; **UN:** 1274

SOLVENT
ChemAlert®
Storage Code
RED

1-Propanol

HPLC Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA22932K2 |
| 4L | ---- | AA22932K7 |

Liquid; 99% min.; n-Propyl Alcohol; CH₃CH₂CH₂OH; **FW:** 60.1;

CAS [71-23-8]; **Melting Point:** -127°C (-197°F); **Flash Point:** 15°C;

Boiling Point: 97°C; **Density:** 0.804g/cm³ at 20°C; **UN:** 1274; Clear

1-Propanol

Extra Pure

ACROS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5L | Glass Bottle | AC14948-0025 |

>99%; Propyl alcohol; C₃H₈O; CH₃CH₂CH₂OH; **FW:** 60.10; CAS [71-23-8];

Melting Point: -127.0°C; **Flash Point:** 15°C; **Boiling Point:** 97.0°C;

Density: 0.8000g/mL; **UN:** 1274

2-Propanol, Anhydrous, >99.5%

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA41463K2 |
| 4L | ---- | AA41463K7 |

(CH₃)₂CHOH; **FW:** 60.1; CAS [67-63-0];

Melting Point: -90°C (-130°F); **Flash Point:** 12°C (53.6°F);

Boiling Point: 82° to 83°C (180° to 181°F); **Density:** 0.785g/cm³ at 20°C;

UN: 1219; Colorless; Solvent for Sol-Gel precursors

2-Propanol

HPLC Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4 × 4L | ---- | AA22906M6 |

>99.7%; (CH₃)₂CHOH; **FW:** 60.1; CAS [67-63-0];

Melting Point: -90°C (-130°F); **Flash Point:** 12°C (53.6°F);

Boiling Point: 82° to 83°C (180° to 181°F); **Density:** 0.785g/cm³;

UN: 1219; Colorless;

2-Propanol

GC Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA40983K7 |

>99.7%; (CH₃)₂CHOH; **FW:** 60.1; CAS [67-63-0];

Melting Point: -90°C (-130°F); **Flash Point:** 12°C (53.6°F);

Boiling Point: 82° to 83°C (180° to 181°F); **Density:** 0.785g/cm³ at 20°C;

UN: 1219; Colorless;

Suitable for environmental, pesticide, and GC analysis;

Maximum level of impurities: Color (APHA) 10, Halogenated residue

5ppt (GC-ECD) heptachlor epoxide, Evaporation residue 5ppm, H₂O

0.10%

2-Propanol

PHOTREX™ Reagent

J.T.Baker®

| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002090 |

Isopropanol, IPA; CH₃CHOHCH₃; **FW:** 60.1; CAS [67-63-0];

Flash Point: 12.00°C

Meets ACS Reagent Chemical Requirements

2-Propanol

BAKER ANALYZED™ ACS Reagent

J.T.Baker®

| Quantity | Packaging | Cat. No. |
|----------|--|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002091 |
| 4L | Aluminum Bottle | 02002092 |
| 4L | Narrow Mouth PVC-Coated Amber Glass Bottle | 02002093 |
| 20L | Steel Pail | 02002089 |

Isopropanol, IPA; CH₃CHOHCH₃; **FW:** 60.1; CAS [67-63-0];

Flash Point: 12.00°C

Meets ACS Reagent Chemical Requirements

2-Propanol HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002094 |
| 4L | Narrow Mouth PVC-Coated Amber Glass Bottle | 02002095 |

Isopropanol, IPA; CH₃CHOHCH₃; F.W. 60.1; CAS [67-63-0]

2-Propanol BAKER ANALYZED™ LC-MS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02002088 |
| 4L | Narrow Mouth Amber Glass Bottle | 02002097 |

Isopropanol, IPA; CH₃CHOHCH₃; F.W. 60.1;
Flash Point: 12.00°C; Filtered through a 0.2 micron filter

2-Propanol Certified ACS Reagent Grade Plus



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 500mL | Glass Bottle | A416-500 |
| 1L | Glass Bottle | A416-1 |
| 4L | Glass Bottle | A416-4 |
| 4L | Glass Bottle, Safe-Cote™ | A416SK-4 |
| 4L | Poly Bottle | A416P-4 |
| 4L | Aluminum Can | A416S-4 |
| 20L | Steel Pail | A416-20 |
| 200L | Steel Drum | A416-200 |

≥99.5%; Isopropanol, Isopropyl Alcohol; C₃H₈O; (CH₃)₂CHOH; F.W. 60.1; CAS [67-63-0];
Melting Point: -88°C; Flash Point: 12°C (53.6°F);
Boiling Point: 82°C (180°F);
Density: 2.1 (Air = 1.0); DOT Class 3: Flammable Liquid; UN: 1219;
Colorless
In addition to meeting or exceeding the latest ACS specifications, are analyzed for more than 16 metals. Actual lot analysis on label.



2-Propanol Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | A417-1 |
| 4L | Glass Bottle | A417-4 |

Isopropanol, Isopropyl Alcohol; C₃H₈O; (CH₃)₂CHOH;
F.W. 60.1; CAS [67-63-0]; Melting Point: -88°C;
Flash Point: 12°C (53.6°F);
Boiling Point: 82°C (180°F); Density: 2.1 (Air = 1.0);
DOT Class 3: Flammable Liquid; UN: 1219
Suitable for use in cholesterol and triglycerides determinations in regular and "N" methods.



2-Propanol Histological Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|------------|
| 1 gal. | Poly Bottle | A426F-1GAL |
| 4L | Poly Bottle | A426P-4 |
| 4L | Aluminum Can | A426S-4 |
| 20L | Steel Pail | A426S-20 |
| 200L | Steel Drum | A426S-200 |

Isopropanol, Isopropyl Alcohol, IPA; C₃H₈O;
(CH₃)₂CHOH; F.W. 60.10; CAS [67-63-0];
Melting Point: -88°C; Flash Point: 12°C (53.6°F);
Boiling Point: 82°C (180°F); Density: 2.1 (Air = 1.0);
DOT Class 3: Flammable Liquid; UN: 1219;
Specially filtered for use in tissue processors.



2-Propanol HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 1L | Glass Bottle | A451-1 |
| 1L | Glass Bottle, Safe-Cote™ | A451SK-1 |
| 4L | Glass Bottle | A451-4 |
| 4L | Glass Bottle, Safe-Cote™ | A451SK-4 |

99.9% min by GC;
Isopropanol, Isopropyl Alcohol, IPA; C₃H₈O;
F.W. 60.1; CAS [67-63-0]; Melting Point: -88°C;
Flash Point: 12°C (53.6°F);
Boiling Point: 82°C (180°F); Density: 2.1 (Air = 1.0);
DOT Class 3: Flammable Liquid; UN: 1219
HPLC mobile phase for analytical and preparative separations. High UV transmittance and low evaporation residue. Filtered through a 0.2µm filter to remove particulates. This product also meets ACS specifications.



2-Propanol Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | A415-4 |
| 20L | Steel Pail | A415-20 |

Isopropanol, Isopropyl Alcohol; C₃H₈O; (CH₃)₂CHOH;
F.W. 60.1; CAS [67-63-0]; Melting Point: -88°C;
Flash Point: 12°C (53.6°F);
Boiling Point: 82°C (180°F); Density: 2.1 (Air = 1.0);
DOT Class 3: Flammable Liquid; UN: 1219
General purpose laboratory use.



2-Propanol Low Water



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | A520-4 |

≥99.5%; Isopropanol, Isopropyl Alcohol; C₃H₈O;
F.W. 60.1; CAS [67-63-0]; Melting Point: -88°C;
Flash Point: 12°C (53.6°F);
Boiling Point: 82°C (180°F);
Density: 2.1 (Air = 1.0); DOT Class 3: Flammable Liquid; UN: 1219;
Low water concentration. Also meets ACS specifications.



2-Propanol Optima™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | A464-1 |
| 4L | Glass Bottle | A464-4 |
| 4L | Glass Bottle | A464SK-4 |

99.9% min by GC; Isopropanol, Isopropyl Alcohol,
IPA; CH₃O; (CH₃)₂CHOH; F.W. 60.1; CAS [67-63-0];
Melting Point: -89.5°C (-129.1°F);
Flash Point: 12°C (53.6°F);
Boiling Point: 81° to 83°C (177.8° to 181.4°F) at 760mmHg;
Density: 2.1 (Air = 1.0); DOT Class 3: Flammable Liquid; UN: 1219
High purity and versatile solvent for HPLC. High UV transmittance and low evaporation residue. Filtered through a 0.2-µm filter to remove particulates. This product also meets ACS specifications.



2-Propanol Pesticide Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | A519-4 |

Isopropanol, Isopropyl Alcohol; C₃H₈O; (CH₃)₂CHOH;
F.W. 60.1; CAS [67-63-0]; Melting Point: -88°C;
Flash Point: 12°C (53.6°F); Boiling Point: 82°C
(180°F); Density: 2.1 (Air = 1.0);
DOT Class 3: Flammable Liquid; UN: 1219



2-Propanol Spectranalyzed™

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | A419-1 |
| 4L | Glass Bottle | A419-4 |

≥99.5%; Isopropanol, Isopropyl Alcohol; C₃H₈O; **F.W.** 60.1; CAS [67-63-0]; **Melting Point:** -88°C; **Flash Point:** 12°C (53.6°F); **Boiling Point:** 82°C (180°F); **Density:** 2.1 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1219
Suitable for use in the ultraviolet and infrared ranges. Also meets ACS specifications.



2-Propanol Semiconductor Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA19397K7 |
| 4 × 4L | ---- | AA19397M6 |

99.5% min.; (CH₃)₂CHOH; **F.W.** 60.1; CAS [67-63-0]; **Melting Point:** -90°C (-130°F); **Flash Point:** 12°C (53.6°F); **Boiling Point:** 82 to 83°C (180 to 181°F); **Density:** 0.785g/cm³ at 20°C; **UN:** 1219; Colorless
Maximum level of impurities: Color (APHA) 10, Evaporation residue 5ppm, Solubility in H₂O P.T., H₂O (by Karl Fischer titrn) 0.05%, Acidity 0.2meq/g, Alkalinity 0.1meq/g, Cl 0.2ppm, PO₄ 0.5ppm

2-Propanol USP/NF/FCC/EP/BP/JP

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A516-500 |
| 4L | Glass Bottle | A516-4 |
| 20L | Steel Pail | A516-20 |
| 200L | Steel Drum | A516-200 |

≥99%; Isopropanol, Isopropyl Alcohol; C₃H₈O; (CH₃)₂CHOH; **F.W.** 60.1; CAS [67-63-0]; **Melting Point:** -88°C; **Flash Point:** 12°C (53.6°F); **Boiling Point:** 82°C (180°F); **Density:** 2.1 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1219



Pyridine Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | P368-500 |
| 1L | Glass Bottle | P368-1 |
| 4L | Glass Bottle | P368-4 |

≥99%; Azabenzene; C₅H₅N; N:CHCH:CHCH:CH; **F.W.** 79.1; CAS [110-86-1]; **Melting Point:** -42°C; **Flash Point:** 17°C (62.6°F); **Boiling Point:** 115° to 116°C (239° to 240.8°F); **Density:** 2.73 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1282
Suitable for Karl Fischer Reagent.



2-Propanol USP/NF/FCC/EP/BP/JP

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | A522-4 |

Isopropanol, Isopropyl Alcohol; C₃H₈O; (CH₃)₂CHOH; **F.W.** 60.1; CAS [67-63-0]; **Melting Point:** -88°C; **Flash Point:** 12°C (53.6°F); **Boiling Point:** 82°C (180°F); **Density:** 2.1 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1219



Pyridine Technical Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | P369-4 |

C₅H₅N; N:CHCH:CHCH:CH; **F.W.** 79.1; CAS [110-86-1]; **Melting Point:** -42°C; **Flash Point:** 17°C (62.6°F); **Boiling Point:** 115° to 116°C (239° to 240.8°F); **Density:** 2.73 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1282



2-Propanol ACS Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA36644K7 |

99.5%; IPA, Isopropanol; (CH₃)₂CHOH; **F.W.** 60.1; CAS [67-63-0]; **Melting Point:** -90°C (-130°F); **Flash Point:** 12°C; **Boiling Point:** 82 to 83°C; **Density:** 0.785g/cm³ at 20°C; **UN:** 1219; Colorless
Solvent for gums, resins, alkaloids, essential oils.
Denaturant for ethyl alcohol. In antifreeze compositions



Pyridine Extra Dry

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC61099-1000 |

99.0%; C₅H₅N; **F.W.** 79.10; **Melting Point:** -42.0°C; **Flash Point:** 17°C; **Boiling Point:** 115.0° to 116.0°C; **Density:** 0.9780g/mL; **UN:** 1282

Pyridine Extra Dry

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 1L | AcroSeal™ Glass Bottle | AC61044-0010 |

99.0%; C₅H₅N; **F.W.** 79.10; **Melting Point:** -42.0°C; **Flash Point:** 17°C; **Boiling Point:** 115.0° to 116.0°C; **Density:** 0.9780g/mL; **UN:** 1282

2-Propanol HPLC Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA22906K7 |

>99.7%; (CH₃)₂CHOH; **F.W.** 60.1; CAS [67-63-0]; **Melting Point:** -90°C (-130°F); **Flash Point:** 12°C (53.6°F); **Boiling Point:** 82° to 83°C (180° to 181°F); **Density:** 0.785g/cm³; **UN:** 1219; Colorless
Maximum level of impurities: Evaporation residue 3ppm, H₂O 0.05%, Chlorinated pesticides 5ppt.

Pyridine Extra Dry

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC36442-1000 |
| 500mL | AcroSeal™ Glass Bottle | AC36442-5000 |
| 1L | AcroSeal™ Glass Bottle | AC36442-0010 |

99.5%; C₅H₅N; **F.W.** 79.10; CAS [110-86-1]; **Melting Point:** -42.0°C; **Flash Point:** 17°C; **Boiling Point:** 115.0° to 116.0°C; **Density:** 0.9780g/mL; **UN:** 1282

Pyridine Extra Pure

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|----------------|----------|--------------|--------------|
| | 50mL | Glass Bottle | AC13178-0500 |
| | 1L | EcoSafPak | AC13178-0010 |
| | 2.5L | Glass Bottle | AC13178-0025 |

≥99%; C₅H₅N; FW: 79.10; CAS [110-86-1]; Melting Point: -42.0°C; Flash Point: 17°C; Boiling Point: 115.0° to 116.0°C; Density: 0.9780g/mL; UN: 1282

Pyridine HPLC Grade

| J.T.Baker | Quantity | Packaging | Cat. No. |
|-----------|----------|---------------------------------|----------|
| | 4L | Narrow Mouth Amber Glass Bottle | 02003865 |

C₅H₅N; FW: 79.1; CAS [110-86-1]; Flash Point: 20°C; Low Water; Meets ACS Reagent Chemical Requirements

Pyridine ACS Reagent

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|----------------|----------|-------------------------|--------------|
| | 500mL | Glass Bottle, EcoSafPak | AC41854-5000 |

≥99%; C₅H₅N; FW: 79.10; CAS [110-86-1]; Melting Point: -42.0°C; Flash Point: 17°C; Boiling Point: 115.0° to 116.0°C; Density: 0.9780g/mL; UN: 1282

Pyridine Alfa Aesar

| Alfa Aesar | Quantity | Packaging | Cat. No. |
|------------|----------|-----------|-----------|
| | 100mL | ---- | AA43799AE |
| | 1L | ---- | AA43799K2 |

>99.5%; C₅H₅N; FW: 79.1; CAS [110-86-1]; Melting Point: -42°C; Flash Point: 20°C; Boiling Point: 115°C (239°F); Density: 0.978g/cm³ at 20°C; UN: 1282; Colorless

Reagent Alcohol, 200 Proof ACS Reagent Grade

| MACRON FINE CHEMICALS | Quantity | Packaging | Cat. No. |
|-----------------------|----------|-------------|----------|
| | 4L | Poly Bottle | MK7019E4 |

CH₃CH₂OH; FW: 46.07; CAS [64-17-5]; Absolute

Reagent Alcohol, SDA 3A

| | Quantity | Packaging | Cat. No. |
|--|----------|-------------|----------|
| | 4L | Poly Bottle | LC222004 |

90.5% Ethanol ± 2.0%; Ethyl Alcohol, SDA 3A; C₂H₆O; FW: 46.07; CAS [64-17-5, 67-63-0, 67-56-1]; Melting Point: -115°C; Flash Point: 13°C; Boiling Point: 78°C; Density: 790kg/m³; UN: 1987

Reagent Alcohol, SDA 3A, 50% Certified ACS

| | Quantity | Packaging | Cat. No. |
|--|----------|-------------|----------|
| | 4L | Poly Bottle | LC222004 |

50% v/v; Ethyl Alcohol, SDA 3A; C₂H₆O; FW: 46.07; CAS [7732-18-5, 64-17-5, 67-63-0, 67-56-1]; Density: 0.95g/mL; UN: 1987

Reagent Alcohol, SDA 3A, 70% Certified

| | Quantity | Packaging | Cat. No. |
|--|----------|-------------|----------|
| | 4L | Poly Bottle | LC222104 |

70% v/v; Ethyl Alcohol, SDA 3A; C₂H₆O; FW: 46.07; CAS [64-17-5, 7732-18-5, 67-63-0, 67-56-1]; Melting Point: -115°C; Flash Point: 25°C; Boiling Point: 78°C; Density: 0.881g/L; UN: 1987

Stoddard Solvent

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|----------------|----------|------------|--------------|
| | 5kg | Metal Drum | AC41973-0050 |

Mineral Spirits; CAS [8052-41-3]; Melting Point: -40.0°C; Flash Point: >38°C; Boiling Point: 149.0° to 213.0°C; Density: 0.7870g/mL; UN: 1268

Stoddard Solvent

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------|----------|
| | 4L | Glass Bottle | S457-4 |

CAS [64742-88-7]; Flash Point: 40°C; Boiling Point: 149°; to 185°C (300.2°; to 365°F); Density: 4.8 (Air = 1.0); DOT Class 3: Flammable Liquid; UN: 1993



Tetrahydrofuran Extra Dry

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|----------------|----------|------------------------|--------------|
| | 100mL | AcroSeal™ Glass Bottle | AC34845-1000 |
| | 1L | AcroSeal™ Glass Bottle | AC34845-0010 |
| | 2.5L | AcroSeal™ Glass Bottle | AC34845-0025 |

99.5%; THF; C₄H₈O; FW: 72.11; CAS [109-99-9, 128-37-0]; Melting Point: -108.4°C; Flash Point: -21°C; Boiling Point: 66.0°C; Density: 0.8800g/mL

Tetrahydrofuran Biochemical Grade

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|----------------|----------|------------------------|--------------|
| | 1L | AcroSeal™ Glass Bottle | AC45053-0010 |
| | 2.5L | AcroSeal™ Glass Bottle | AC45053-0025 |

99.8%; THF; C₄H₈O; FW: 72.11; CAS [109-99-9, 128-37-0]; Melting Point: -108.4°C; Flash Point: -21°C; Boiling Point: 66.0°C; Density: 0.8800g/mL

Tetrahydrofuran HPLC Grade

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|----------------|----------|--------------|--------------|
| | 1L | Glass Bottle | AC26829-0010 |
| | 2.5L | Glass Bottle | AC26829-0025 |
| | 4L | Glass Bottle | AC26829-0040 |

99.8%; THF; C₄H₈O; FW: 72.11; CAS [109-99-9, 128-37-0]; Melting Point: -108.4°C; Flash Point: -21°C; Boiling Point: 66.0°C; Density: 0.8800g/mL

Tetrahydrofuran Extra Dry

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|----------------|----------|------------------------|--------------|
| | 100mL | AcroSeal™ Glass Bottle | AC61092-1000 |

99.9%; THF; C₄H₈O; FW: 72.11; CAS [109-99-9, 128-37-0]; Melting Point: -108.4°C; Flash Point: -21°C; Boiling Point: 66.0°C; Density: 0.8800g/mL

Tetrahydrofuran Extra Dry

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|----------------|----------|------------------------|--------------|
| | 1L | AcroSeal™ Glass Bottle | AC61045-0010 |

99.9%; THF; C₄H₈O; FW: 72.11; CAS [109-99-9, 128-37-0]; Melting Point: -108.4°C; Flash Point: -21°C; Boiling Point: 66.0°C; Density: 0.8800g/mL

Tetrahydrofuran Extra Dry



| Quantity | Packaging | Cat. No. |
|---|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC61091-1000 |
| 99.9%; THF; C ₄ H ₈ O; F.W. 72.11; CAS [109-99-9, 128-37-0]; Melting Point: -108.4°C; Flash Point: -21°C; Boiling Point: 66.0°C; Density: 0.8800g/mL | | |

Tetrahydrofuran Extra Dry



| Quantity | Packaging | Cat. No. |
|---|------------------------|--------------|
| 1L | AcroSeal™ Glass Bottle | AC61090-0010 |
| 99.9%; THF; C ₄ H ₈ O; F.W. 72.11; CAS [109-99-9, 128-37-0]; Melting Point: -108.4°C; Flash Point: -21°C; Boiling Point: 66.0°C; Density: 0.8800g/mL | | |

Tetrahydrofuran Extra Pure



| Quantity | Packaging | Cat. No. |
|---|--------------|--------------|
| 250mL | Glass Bottle | AC18150-2500 |
| 1L | Glass Bottle | AC18150-0010 |
| 99.9%; THF; C ₄ H ₈ O; F.W. 72.11; CAS [109-99-9, 128-37-0]; Melting Point: -108.4°C; Flash Point: -21°C; Boiling Point: 66.0°C; Density: 0.8800g/mL | | |

Tetrahydrofuran ACS Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|---|-----------|-----------|
| 1L | ---- | AA30760K2 |
| >99%; C ₄ H ₈ O; F.W. 72.11; CAS [109-99-9]; Melting Point: -108°C (-162°F); Boiling Point: 66°C; Density: 0.889g/cm ³ at 20°C; UN: 2056; Colorless; Synthesis and Liquid Chromatography | | |

Tetrahydrofuran HPLC Grade



| Quantity | Packaging | Cat. No. |
|--|-------------------------|--------------|
| 4L | Glass Bottle, EcoSafPak | AC61010-0040 |
| 99.9%; THF; C ₄ H ₈ O; F.W. 72.11; CAS [109-99-9]; Melting Point: -108.4°C; Flash Point: -21°C; Boiling Point: 66.0°C; Density: 0.8800g/mL | | |

Tetrahydrofuran HPLC Grade



| Quantity | Packaging | Cat. No. |
|---|---|----------|
| 1L | Narrow Mouth Amber Glass Bottle with Septum | 02004425 |
| 4L | Narrow Mouth Amber Glass Bottle | 02004426 |
| C ₄ H ₈ O; F.W. 72.11; CAS [109-99-9]; Flash Point: -14.00°C; Low Water | | |

Tetrahydrofuran HPLC Grade



| Quantity | Packaging | Cat. No. |
|---|--|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02004417 |
| 4L | Narrow Mouth Amber Glass Bottle | 02004418 |
| 4L | Narrow Mouth PVC-Coated Amber Glass Bottle | 02004419 |
| C ₄ H ₈ O; F.W. 72.11; CAS [109-99-9]; Flash Point: -14.00°C; Packaged under Argon | | |

Tetrahydrofuran Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | T397-500 |
| 1L | Glass Bottle | T397-1 |
| 4L | Glass Bottle | T397-4 |
| 4L | Glass Bottle | T397SK-4 |
| 20L | Steel Pail | T397-20 |

C₄H₈O; **F.W.** 72.11; CAS [109-99-9, 128-37-0];
Melting Point: -108.5°C; **Flash Point:** -21°C;
Boiling Point: 66°C; **Density:** 0.89g/mL;
DOT Class 3: Flammable Liquid; **UN:** 2056
Contains about 0.025% butylated hydroxytoluene as a preservative.
Purity is guaranteed to meet published maximum limits of impurities.



Tetrahydrofuran Histological Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | T400-500 |
| 4L | Glass Bottle | T400-4 |
| 20L | Steel Pail | T400-20 |

THF; C₄H₈O; CH₂(CH₂)₂CHO; **F.W.** 72.11;
CAS [109-99-9, 128-37-0]; **Melting Point:** -108.5°C;
Flash Point: -21°C; **Boiling Point:** 66°C;
Density: 0.89g/mL; **DOT Class 3:** Flammable Liquid;
UN: 2056
Contains about 0.025% butylated hydroxytoluene as a preservative.



Tetrahydrofuran HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 1L | Glass Bottle | T425-1 |
| 1L | Glass Bottle, Safe-Cote™ | T425SK-1 |
| 4L | Glass Bottle | T425-4 |
| 4L | Glass Bottle, Safe-Cote™ | T425SK-4 |

99.9% min by GC; THF; C₄H₈O; CH₂(CH₂)₂CH₂O;
F.W. 72.11; CAS [109-99-9]; **Melting Point:** -108.5°C;
Flash Point: -21°C; **Boiling Point:** 66°C;
Density: 2.5 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 2056
HPLC mobile phase for analytical and preparative separations. High UV transmittance and low evaporation residue. Suitable for gradient and isocratic conditions. This product also meets ACS specifications. Unstabilized. No preservative added.



Tetrahydrofuran Optima™



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 1L | Glass Bottle | T427-1 |
| 4L | Glass Bottle | T427-4 |
| 4L | Glass Bottle, Safe-Cote™ | T427SK-4 |

99.9% min by GC; THF; Diethylene Oxide; C₄H₈O;
F.W. 72.11; CAS [109-99-9]; **Melting Point:** -108.5°C;
Flash Point: -21°C; **Boiling Point:** 66°C;
Density: 2.5 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 2056
Certificate of Lot Analysis included with each bottle; UV and other chromatograms available on request.
High purity and versatile solvent for HPLC. High UV transmittance and low evaporation residue. Filtered through 0.2-µm filter to remove particulates. This product also meets ACS specifications.



Tetrahydrofuran Spectranalyzed™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | T424-4 |

>99.9%; THF; C₄H₈O; CH₂(CH₂)₂CH₂O; F.W. 72.11; CAS [109-99-9]; **Melting Point:** -108.5°C; **Flash Point:** -21°C; **Boiling Point:** 66°C; **Density:** 2.5 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 2056
Contains no preservatives.



Tetrahydrofuran HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02004427 |

C₄H₈O; F.W. 72.11; CAS [109-99-9]; **Flash Point:** -14.00°C; Stabilized

Tetrahydrofuran

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA44608K2 |

>99.8%; C₄H₈O; F.W. 72.11; CAS [109-99-9]; **Melting Point:** -108°C (-162°F); **Boiling Point:** 66°C; **Density:** 0.889g/cm³ at 20°C; **UN:** 2056; Colorless; Synthesis and Liquid Chromatography; Packaged under Argon in resealable ChemSeal™ bottles

Tetrahydrofuran

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|------------------------------|-----------|
| 1L | Resealable ChemSeal™ Bottles | AA41820K2 |

>99.8%; C₄H₈O; F.W. 72.11; CAS [109-99-9]; **Melting Point:** -108°C; **Flash Point:** -17°C (1°F); **Boiling Point:** 66°C; **Density:** 0.889g/mL; **UN:** 2056; Colorless; Synthesis and Liquid Chromatography; Anhydrous, Unstabilized; Packaged under Argon in resealable ChemSeal™ bottles

Tetrahydrofuran

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA42254K2 |
| 4L | ---- | AA42254K7 |

>99.8%; C₄H₈O; F.W. 72.11; CAS [109-99-9]; **Melting Point:** -108°C (-162°F); **Flash Point:** -17°C; **Boiling Point:** 66°C; **Density:** 0.889g/cm³ at 20°C; **UN:** 2056; Colorless; For synthesis and Liquid Chromatography

Tetrahydrofuran HPLC Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA38994K7 |

>99.7%; C₄H₈O; F.W. 72.11; CAS [109-99-9]; **Melting Point:** -108°C (-162°F); **Flash Point:** -17°C; **Boiling Point:** 66°C; **Density:** 0.889g/cm³ at 20°C; **UN:** 2056; Colorless
With 250ppm BHT

Tetrahydrofuran Spectrophotometric Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA32468K7 |

>99.7%; C₄H₈O; F.W. 72.11; CAS [109-99-9]; **Melting Point:** -108°C (-162°F); **Flash Point:** -17°C; **Boiling Point:** 66°C; **Density:** 0.889g/cm³ at 20°C; **UN:** 2056; Colorless

Toluene ULTRA RESI-ANALYZED™



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02004462 |

C₆H₅CH₃; F.W. 92.14; CAS [108-88-3]; **Flash Point:** 4°C; 99.7%

Toluene HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02004463 |
| 4L | Narrow Mouth Amber Glass Bottle | 02004467 |
| 4L | Narrow Mouth PVC-Coated Amber Glass Bottle | 02004468 |

C₆H₅CH₃; F.W. 92.14; CAS [108-88-3]; **Flash Point:** 4.00°C

Toluene BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-----------------|----------|
| 4L | Aluminum Bottle | 02004470 |

C₆H₅CH₃; F.W. 92.14; CAS [108-88-3]; **Flash Point:** 4.00°C
Meets ACS Reagent Chemical Requirements

Toluene Certified ACS Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 500mL | Glass Bottle | T324-500 |
| 1L | Glass Bottle | T324-1 |
| 4L | Glass Bottle | T324-4 |
| 4L | Glass Bottle, Safe-Cote™ | T324SK-4 |
| 4L | Aluminum Can | T324S-4 |
| 20L | Steel Pail | T324-20 |
| 200L | Steel Drum | T324-200 |

>99.5%; Methylbenzene, Toluol, Phenyl Methane; C₆H₅CH₃; F.W. 92.14; CAS [108-88-3]; **Melting Point:** -95°C (-139°F); **Flash Point:** 4°C; **Boiling Point:** 110.6°C; **Density:** 3.1 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1294



Toluene Histological Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 1 gal. | Poly Bottle | T326F-1GAL |
| 4L | Poly Bottle | T326P-4 |
| 20L | Steel Pail | T326S-20 |

Methylbenzene, Toluol; C₇H₈; C₆H₅CH₃; F.W. 92.14; CAS [108-88-3]; **Flash Point:** 4°C; **Density:** 3.1 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1294



Toluene HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 1L | Glass Bottle | T290-1 |
| 1L | Glass Bottle, Safe-Cote™ | T290SK-1 |
| 4L | Glass Bottle | T290-4 |
| 4L | Glass Bottle, Safe-Cote™ | T290SK-4 |

99.8% min by GC; PhMe, PhCH₃, Methylbenzene, Phenyl Methane; C₆H₅CH₃; F.W. 92.14; CAS [108-88-3]; **Melting Point:** -95°C (-139°F); **Flash Point:** 4°C; **Boiling Point:** 110.6°C; **Density:** 3.1 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1294
HPLC mobile phase for analytical and preparative separations. High UV transmittance and low evaporation residue. Filtered through sub-micron filter to remove particulates. This product also meets ACS specifications.



Toluene Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | T323-4 |
| 20L | Steel Pail | T323-20 |

Methylbenzene, Toluol; $C_6H_5CH_3$; **FW.** 92.14; CAS [108-88-3]; **Melting Point:** $-95.0^{\circ}C$ ($-139^{\circ}F$); **Flash Point:** $4^{\circ}C$; **Boiling Point:** $110.6^{\circ}C$ ($41^{\circ}F$); **Density:** 3.1 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1294



Toluene Optima™



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | T291-4 |

$\geq 99.8\%$; Methylbenzene, Toluol, Phenyl Methane; $C_6H_5CH_3$; **FW.** 92.14; CAS [108-88-3]; **Melting Point:** $-95.0^{\circ}C$ ($-139^{\circ}F$); **Flash Point:** $4^{\circ}C$; **Boiling Point:** $110.6^{\circ}C$; **Density:** 3.1 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1294

High purity and versatile solvent for HPLC, GC and pesticide residue analysis. High UV transmittance and low evaporation residue. Filtered through a sub-micron filter to remove particulates. Packaged under Nitrogen. This product also meets ACS specifications. Certificate of Lot Analysis included with each bottle; UV and other chromatograms available on request.



Toluene Spectranalyzed™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | T330-4 |

$\geq 99.5\%$; Methylbenzene, Toluol; $C_6H_5CH_3$; **FW.** 92.14; CAS [108-88-3]; **Melting Point:** $-95.0^{\circ}C$ ($-139^{\circ}F$); **Flash Point:** $4^{\circ}C$; **Boiling Point:** $110.6^{\circ}C$; **Density:** 3.1 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1294
For use in the ultraviolet and infrared ranges. Also meets ACS specifications.



Toluene ACS Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA31755K7 |

99.5% ; Methylbenzene; $C_6H_5CH_3$; **FW.** 92.14; CAS [108-88-3]; **Melting Point:** $-93^{\circ}C$; **Boiling Point:** $111^{\circ}C$; **Density:** $0.867g/cm^3$ at $20^{\circ}C$; **UN:** 1294; Colorless

Toluene ACS Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|------------|--------------|
| 500mL | Metal Drum | AC42455-5000 |
| 1L | Metal Drum | AC42455-0010 |

99.5% ; Tol, Methylbenzene; C_7H_8 ; $C_6H_5CH_3$; **FW.** 92.14; CAS [108-88-3]; **Melting Point:** $-95.0^{\circ}C$; **Flash Point:** $4^{\circ}C$; **Boiling Point:** $111.0^{\circ}C$; **Density:** $0.8660g/mL$; **UN:** 1294

Toluene Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC61095-1000 |

99.8% ; Tol, Methylbenzene; C_7H_8 ; $C_6H_5CH_3$; **FW.** 92.14; **Melting Point:** $-95.0^{\circ}C$; **Flash Point:** $4^{\circ}C$; **Boiling Point:** $111.0^{\circ}C$; **Density:** $0.8660g/mL$; **UN:** 1294

Toluene Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 1L | AcroSeal™ Glass Bottle | AC61046-0010 |

99.8% ; Tol, Methylbenzene; C_7H_8 ; $C_6H_5CH_3$; **FW.** 92.14; **Melting Point:** $-95.0^{\circ}C$; **Flash Point:** $4^{\circ}C$; **Boiling Point:** $111.0^{\circ}C$; **Density:** $0.8660g/mL$; **UN:** 1294

Toluene Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC44840-1000 |

99.85% ; Tol, Methylbenzene; C_7H_8 ; $C_6H_5CH_3$; **FW.** 92.14; CAS [108-88-3]; **Melting Point:** $-95.0^{\circ}C$; **Flash Point:** $4^{\circ}C$; **Boiling Point:** $111.0^{\circ}C$; **Density:** $0.8660g/mL$

Toluene ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | LC261704 |

$\geq 99.5\%$; C_7H_8 ; **FW.** 92.14; CAS [108-88-3]; **Melting Point:** $-95^{\circ}C$; **Boiling Point:** $111^{\circ}C$; **Density:** $870kg/m^3$; **DOT Class 3:** Flammable Liquid; **UN:** 1294

Toluene HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|--------------|
| 4L | EcoSafPak | AC61011-0040 |

Tol, Methylbenzene; C_7H_8 ; $C_6H_5CH_3$; **FW.** 92.14; **Melting Point:** $-95.0^{\circ}C$; **Flash Point:** $4^{\circ}C$; **Boiling Point:** $111.0^{\circ}C$; **Density:** $0.8660g/mL$; **UN:** 1294

Toluene For Spectroscopy ACS



| Quantity | Packaging | Cat. No. |
|----------|------------|--------------|
| 4L | Metal Drum | AC42117-0040 |

99.5% ; Tol, Methylbenzene; C_7H_8 ; $C_6H_5CH_3$; **FW.** 92.14; CAS [108-88-3]; **Melting Point:** $-95.0^{\circ}C$; **Flash Point:** $4^{\circ}C$; **Boiling Point:** $111.0^{\circ}C$; **Density:** $0.8660g/mL$; **UN:** 1294

Toluene Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5L | Plastic Drum | AC45197-0050 |

Tol, Methylbenzene; C_7H_8 ; $C_6H_5CH_3$; **FW.** 92.14; CAS [108-88-3]; **Melting Point:** $-95.0^{\circ}C$; **Flash Point:** $4^{\circ}C$; **Boiling Point:** $111.0^{\circ}C$; **Density:** $0.8660g/mL$

Toluene, Anhydrous

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250mL | ---- | AA41464AK |
| 1L | ---- | AA41464K2 |
| 4L | ---- | AA41464K7 |

99.8% ; $C_6H_5CH_3$; **FW.** 92.14; CAS [108-88-3]; **Melting Point:** $-93^{\circ}C$; **Flash Point:** $4^{\circ}C$; **Boiling Point:** $111^{\circ}C$; **Density:** $0.867g/mL$

2,2,4-Trimethylpentane ULTRA RESI-ANALYZED™



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02002058 |

Iso-octane; $(CH_3)_3CCH_2CH(CH_3)_2$; **FW.** 114.23; CAS [540-84-1]; **Flash Point:** $-12^{\circ}C$

2,2,4-Trimethylpentane HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002062 |

Meets ACS Reagent Chemical Requirements; (CH₃)₃CCH₂CH(CH₃)₂;
F.W. 114.23; CAS [540-84-1]; **Flash Point:** -12.00°C

Water GC Headspace Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | W10-1 |

Oxidane; H₂O; F.W. 18.01; CAS [7732-18-5]



Water HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02004558 |

H₂O; F.W. 18.00; CAS [7732-18-5]

Water ULTREX™ II Ultrapure Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 1L | Narrow Mouth Poly Bottle | 02004559 |

H₂O; F.W. 18; CAS [7732-18-5]

Water BAKER ANALYZED™ ULTRA LC/MS



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Flint Glass Bottle | 02004556 |

H₂O; F.W. 18; CAS [7732-18-5]

Water BAKER ANALYZED™ ULTRA LC/MS



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Flint Glass Bottle | 02004557 |

H₂O; F.W. 18; CAS [7732-18-5]
Filtered through a 0.2 micron filter

Water BAKER ANALYZED™ LC-MS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02004562 |
| 4L | Narrow Mouth Amber Glass Bottle | 02004563 |

H₂O; F.W. 18.02; CAS [7732-18-5]
Filtered through a 0.2 micron filter

Water BAKER ANALYZED™ LC-MS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02004564 |

Water, 0.05% Trifluoroacetic Acid

Water Environmental Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | W11-1 |
| 4L | Amber Glass Bottle | W11-4 |

H₂O; F.W. 18.02; CAS [7732-18-5];
Packaged in precleaned amber glass bottles to protect product integrity.
Certificate of Lot Analysis included with each bottle.



Water HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 1L | Glass Bottle | W5-1 |
| 1L | Glass Bottle, Safe-Cote™ | W5SK-1 |
| 4L | Glass Bottle | W5-4 |
| 4L | Glass Bottle, Safe-Cote™ | W5SK-4 |
| 19L | NOWPak™ I | W5N1-19 |

H₂O; F.W. 18.02; CAS [7732-18-5]; **Melting Point:** 0°C (32°F);
Boiling Point: 100°C (212°F); **Density:** 1g/mL; Colorless
HPLC mobile phase for analytical and preparative separations. Suitable for gradient and isocratic conditions.
Filtered through a 0.5µm filter to remove particulates.



Water Optima™



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 1L | Glass Bottle | W7-1 |
| 4L | EcoSafPak™ Glass Bottle | W7-4 |
| 4L | Glass Bottle | W7SK-4 |

H₂O; F.W. 18.02; CAS [7732-18-5]; **Melting Point:** 0°C (32°F);
Boiling Point: 100°C; **Density:** 1g/mL;
High purity mobile phase for HPLC. High UV transmittance and low evaporation residue. Suitable for gradient and isocratic conditions. HPLC mobile phase for analytical and preparative separations. Filtered through a 0.5µm filter to remove particulates. This product also meets ACS specifications.
Certificate of Lot Analysis included with each bottle; UV and other chromatograms available on request.



Water UHPLC-MS Optima™



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Clear Borosilicate Glass Bottle | W8-1 |

H₂O; F.W. 18.02; CAS [7732-18-5]; **Melting Point:** 0°C (32°F);
Boiling Point: 100°C; **Density:** 1g/mL
Unique signal to noise specification for the chemical industry where the solvent quality is linked directly to the sensitivity of the mass spectrometer. 0.03 micron filtration ensures reduction in clogging of instrument, columns and check valves. Packaged in borosilicate glass to ensure low metal content in mobile phase solvents minimizing formation of metal ion adducts. Fisher Chemical UHPLC-MS solvents have an UHPLC-UV Gradient Suitability specification which covers the full 200 to 400 nm range ideal for dual detection. Ideal mobile phase for UHPLC-MS applications in pharmaceutical, biotechnology, clinical, environmental and food industries.



Water USP Purified



| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 55 Gal. | Drum | 919100055E |

H₂O; F.W. 18.02; CAS [7732-18-5]; **Melting Point:** 0°C (32°F);
Boiling Point: 100°C; **Density:** 1g/mL

Water World/GMP, USP/EP/JP Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 5 gal. | Poly Cube | 16101402 |
| 55 gal. | UV Poly Drum | 16101403 |

H₂O; **FW.** 18.02; **CAS** [7732-18-5]; **Melting Point:** 0°C (32°F);
Boiling Point: 100°C (212°F); **Density:** 1.0g/mL at 3.98°C (39.16°F);
 Colorless
 General purpose solvent use

Water Certified ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC267404 |
| 20L | Cubitainer™ | LC267405 |

H₂O; **FW.** 18.02; **CAS** [7732-18-5]; **Melting Point:** 0°C;
Boiling Point: 100°C; **Density:** 0.99823g/mL; Deionized, ASTM Type I

Water Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 4L | Poly Bottle | LC267504 |
| 20L | Cubitainer™ | LC267505 |
| 200L | Poly Drum | LC26750200 |

H₂O; **FW.** 18.02; **CAS** [7732-18-5]; **Melting Point:** 0°C;
Boiling Point: 100°C; **Density:** 0.99823g/mL; Deionized, ASTM Type II

Water



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10L | Plastic Drum | AC38940-0100 |

H₂O; **FW.** 18.02; **CAS** [7732-18-5]; **Boiling Point:** 100.0°C;
Density: 1.0000g/mL

Water Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC32739-0010 |
| 5L | Plastic Drum | AC32739-0050 |

H₂O; **FW.** 18.02; **CAS** [7732-18-5]; **Boiling Point:** 100.0°C;
Density: 1.0000g/mL

Water HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4 x 4L | ---- | AA22934M6 |

H₂O; **FW.** 18.02; **CAS** [7732-18-5]; **Melting Point:** 18.0°C;
Boiling Point: 100°C; **Density:** 1.000g/mL

Water HPLC/ACS Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | 915332 |
| 4L | Amber Glass Bottle | 91531 |

H₂O; **FW.** 18.02; **CAS** [7732-18-5]; **Melting Point:** 0°C (32°F);
Boiling Point: 100°C; **Density:** 1g/mL

Water Optima™ LC/MS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | W6-1 |
| 4L | Glass Bottle | W6-4 |

H₂O; **FW.** 18.02; **CAS** [7732-18-5]; **Melting Point:** 0°C (32°F);
Boiling Point: 100°C (212°F); **Density:** 1g/mL
 Ideal mobile phase for LC/MS and UHPLC-UV applications in pharmaceutical, biotechnology, clinical, environmental and food safety industries. Novel gradient elution test with Photodiode Array Detector screens for UV-absorbing contaminants at every wavelength in the 200 to 400nm range to afford smooth baselines and to reduce interferences. Evaluated for 17 metal impurities at ppb concentrations to minimize the formation of metal adducts during analysis and simplify spectral interpretation. 0.03 micron filtration minimizes troublesome particles that may interfere with LC/MS and UHPLC system performance and provides an ideal solution to prepare cleaner, particle-free mobile phase blends. Positive mode ionization (as propazine) and negative mode ionization (as mecoprop) with ESI and Single Quadrupole MS detect organic contaminants at max 50ppb and max 300ppb, respectively. Actual Lot Analysis reported on label; Certificate of Actual Lot Analysis available on request; 0.03 micron filtered.



Water USP/EP Purified



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 4L | Poly Natural Bottle | 91901 |
| 10L | Cubitainer | 919025 |
| 20L | Cubitainer | 91905 |

H₂O; **FW.** 18.02; **CAS** [7732-18-5]; **Melting Point:** 0°C (32°F);
Boiling Point: 100°C; **Density:** 1g/mL

Water BAKER ANALYZED™ LC-MS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02004566 |
| 4L | Narrow Mouth Amber Glass Bottle | 02004568 |

H₂O; **FW.** 18.02; **CAS** [7732-18-5]; **Melting Point:** 0°C (32°F);
Boiling Point: 100°C; **Density:** 1g/mL; 0.1% Formic Acid;
 Filtered through a 0.2 micron filter

Water BAKER ANALYZED™ LC-MS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02004569 |
| 4L | Narrow Mouth Amber Glass Bottle | 02004570 |

H₂O; **FW.** 18.02; **CAS** [7732-18-5]; **Melting Point:** 0°C (32°F);
Boiling Point: 100°C; **Density:** 1g/mL; 0.1% Trifluoroacetic Acid

Water Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA36645K7 |

H₂O; **FW.** 18.02; **CAS** [7732-18-5]; **Melting Point:** 0°C (32°F);
Boiling Point: 100°C; **Density:** 1.000g/cm³ at 20°C

Water USP/EP Grade



| Quantity | Packaging | Cat. No. |
|--------------------|-----------|----------|
| 1 Gallon (3.8L) | Bottle | 04355124 |
| 5 Gallon (19L) | Bottle | 04355125 |
| 55 Gallon (208.5L) | Bottle | 04355126 |

H₂O; **FW.** 18.02; **CAS** [7732-18-5]; **Melting Point:** 0°C (32°F);
Boiling Point: 100°C; **Density:** 1g/mL

Water USP/EP Grade



| Quantity | Packaging | Cat. No. |
|------------------|-----------|----------|
| 0.92 gal. (3.8L) | Bottle | 22281500 |

H₂O; F.W. 18.02; CAS [7732-18-5]; **Melting Point:** 0°C (32°F); **Boiling Point:** 100°C; **Density:** 1g/mL

Water, D.I.U.F.



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | W2-4 |
| 20L | PolyPac™ | W2-20 |

Deionized ultra-filtered water; H₂O; F.W. 18.02; CAS [7732-18-5]; **Melting Point:** 0°C (32°F); **Boiling Point:** 100°C (212°F); **Density:** 1g/mL

ChemAlert® Storage Code
GRAY

Water with 0.1% Formic Acid (v/v) HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | HB523-4 |

≥98.5%; CAS [64-18-6, 7732-18-5]; H₂O; F.W. 18.02; **Melting Point:** 0°C (32°F); **Boiling Point:** 100°C; **Density:** 1g/mL

ChemAlert® Storage Code
GRAY

Water with 0.1% Trifluoroacetic Acid (v/v) HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | HB513-4 |

CAS [7732-18-5, 76-05-1] H₂O; F.W. 18.02; **Melting Point:** 0°C (32°F); **Boiling Point:** 100°C; **Density:** 1g/mL

ChemAlert® Storage Code
GRAY

m-Xylene Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | 05079-4 |

C₈H₁₀; C₆H₄(CH₃)₂; F.W. 106.16; CAS [108-38-3]; **Melting Point:** -48°C; **Flash Point:** 25°C; **Boiling Point:** 139°C; **Density:** 0.86g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1307

SOLVENT ChemAlert® Storage Code
RED

m-Xylene Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC15893-1000 |

99%; 1,3-Dimethylbenzene; C₈H₁₀; C₆H₄(CH₃)₂; F.W. 106.17; CAS [108-38-3]; **Melting Point:** -48.0°C; **Flash Point:** 25°C; **Boiling Point:** 139.0°C; **Density:** 0.8640g/mL

o-Xylene Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC44302-1000 |
| 1L | AcroSeal™ Glass Bottle | AC44302-0010 |

99%; 1,2-Dimethylbenzene; C₈H₁₀; C₆H₄(CH₃)₂; F.W. 106.17; CAS [95-47-6]; **Melting Point:** -25.0°C; **Flash Point:** 31°C; **Boiling Point:** 143.0° to 145.0°C; **Density:** 0.8780g/mL

o-Xylene Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC14099-0010 |
| 2.5L | Glass Bottle | AC14099-0025 |

99%; 1,2-Dimethylbenzene; C₈H₁₀; C₆H₄(CH₃)₂; F.W. 106.17; CAS [95-47-6]; **Melting Point:** -25.0°C; **Flash Point:** 31°C; **Boiling Point:** 143.0° to 145.0°C; **Density:** 0.8780g/mL; **UN:** 1307

o-Xylene Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | 05081-4 |

C₈H₁₀; C₆H₄(CH₃)₂; F.W. 106.16; CAS [95-47-6, 100-41-4]; **Melting Point:** -25°C; **Flash Point:** 31°C; **Boiling Point:** 143° to 145°C (289.4° to 293°F); **Density:** 3.7; **DOT Class 3:** Flammable Liquid; **UN:** 1307

SOLVENT ChemAlert® Storage Code
RED

p-Xylene Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | 05082-500 |
| 4L | Glass Bottle | 05082-4 |

C₈H₁₀; C₆H₄(CH₃)₂; F.W. 106.17; CAS [106-42-3]; **Melting Point:** 13°C; **Flash Point:** 25°C; **Boiling Point:** 138°C; **Density:** 0.87g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1307

SOLVENT ChemAlert® Storage Code
RED

Xylenes BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-----------------|----------|
| 4L | Aluminum Bottle | 02004575 |

C₈H₄(CH₃)₂; F.W. 106.17; CAS [1330-20-7]; **Flash Point:** 29.00°C; Contains ethylbenzene

Xylenes Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 500mL | Glass Bottle | X5-500 |
| 1L | Glass Bottle | X5-1 |
| 1 gal. | Poly Bottle | X5P-1GAL |
| 4L | Glass Bottle | X5-4 |
| 4L | Glass Bottle, Safe-Cote™ | X5SK-4 |
| 4L | Aluminum Can | X5S-4 |
| 20L | Steel Pail | X5-20 |
| 200L | Steel Drum | X5-200 |

≥98.5%; Xylol, Dimethylbenzene; C₈H₁₀; F.W. 106.17; CAS [1330-20-7, 100-41-4]; **Melting Point:** -34°C (-29.2°F); **Flash Point:** 25.6°C (78.1°F); **Boiling Point:** 136° to 140°C (276.8° to 284°F); **Density:** 3.66 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1307

SOLVENT ChemAlert® Storage Code
RED

Xylenes

Histological Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------|----------|
| 1 gal. | Poly Bottle, F-Style | X3F-1GAL |
| 1 gal. | Poly Bottle | X3P-1GAL |
| 4L | Aluminum Can | X3S-4 |
| 20L | Steel Pail | X3S-20 |
| 200L | Steel Drum | X3S-200 |

Xylol, Dimethylbenzene; C_8H_{10} ; $C_6H_4(CH_3)_2$

F.W. 106.17; CAS [1330-20-7, 100-41-4];

Melting Point: $-34^{\circ}C$ ($-29.2^{\circ}F$);

Flash Point: $25.6^{\circ}C$ ($78.1^{\circ}F$);

Boiling Point: 136° to $140^{\circ}C$ (276.8° to $284^{\circ}F$); **Density:** 0.865 ($H_2O=1$);

DOT Class 3: Flammable Liquid; **UN:** 1307; Clear

SOLVENT

ChemAlert®
Storage Code
RED

Xylenes

Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | X4-4 |
| 20L | Steel Pail | X4-20 |

Naphtha Solvent from Coal Tar, Xylol,

Dimethylbenzene; C_8H_{10} ; $C_6H_4(CH_3)_2$;

F.W. 106.17; CAS [1330-20-7, 100-41-4];

Melting Point: $-34^{\circ}C$ ($-29.2^{\circ}F$);

Flash Point: $25.6^{\circ}C$ ($78.1^{\circ}F$);

Boiling Point: 136° to $140^{\circ}C$ (276.8° to $284^{\circ}F$); **Density:** 3.66 (Air = 1.0);

DOT Class 3: Flammable Liquid; **UN:** 1307

SOLVENT

ChemAlert®
Storage Code
RED

Xylenes

Semiconductor Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA19402K2 |
| 4 × 1L | ---- | AA19402M1 |
| 4L | ---- | AA19402K7 |

$(CH_3)_2C_6H_8$; **F.W.** 106.17; CAS [1330-20-7];

Melting Point: $<-25^{\circ}C$ ($<-13^{\circ}F$); **Flash Point:** $29^{\circ}C$;

Boiling Point: 137° to $144^{\circ}C$ (279° to $291^{\circ}F$); **Density:** $0.860g/cm^3$;

UN: 1307; Colorless

Xylenes

ACROS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 1L | Glass Bottle | AC38394-0010 |
| 5L | Plastic Bottle | AC38394-0050 |

$\geq 98\%$; C_8H_{10} ; $C_6H_4(CH_3)_2$; **F.W.** 106.17; CAS [1330-20-7];

Melting Point: $-34.0^{\circ}C$; **Flash Point:** $23^{\circ}C$;

Boiling Point: 136.0° to $140.0^{\circ}C$; **Density:** $0.8650g/mL$

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ACETIC ACID, GLACIAL ANALYTICAL REAGENTS A

Acetic Acid Optima™



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 250mL | FEP Bottle | A465-250 |
| 500mL | FEP Bottle | A465-500 |
| 1L | FEP Bottle | A465-1 |

Methanecarboxylic Acid; CH_3COOH ; **F.W.** 60.05; CAS [64-19-7]; **Melting Point:** 16.6° to 16.7°C; **Boiling Point:** 118°C; **Density:** 1.05g/mL; **DOT Class 8:** Corrosive; **UN:** 2789; Certificate of Analysis included with each bottle. Ideal for analysis by ICP-MS and high-resolution ICP-MS. Evaluated for 65 metals at low-level ppt concentrations. Manufactured, purified, and packaged in a Class 1000 clean room. Packaged in specially cleaned Teflon FEP for PFA Bottles to maintain product integrity and to eliminate metal leaching from Glass Bottles. Three-year shelf life from time of manufacture - available on COA. **Applications:** Trace metal analysis, preparing calibration solutions, sample digestion, and instrument or glassware pre-rinsing/cleaning.



Acetic Acid, Glacial Trace Metal™



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | HDPE Bottle | A507-P500 |
| 2.5L | HDPE Bottle | A507-P212 |
| 4L | HDPE Bottle | A507-4 |

Liquid; Methanecarboxylic Acid, Vinegar Acid; CH_3COOH ; **F.W.** 60.05; CAS [64-19-7]; **Melting Point:** 16.6° to 16.7°C; **Boiling Point:** 118°C; **Density:** 1.05g/mL; **DOT Class 8:** Corrosive; **UN:** 2789; Certificate of Analysis included with each shipment. Ideal for analysis by IC, GF or Flame AA, ICP-OES and ICP-MS. Evaluated for 65 metals at <1 ppb concentrations. Manufactured, purified, and packaged in a Class 1000 clean room. Packaged in non-breakable polypropylene bottles to maintain product integrity and to eliminate metal leaching from Glass Bottles. Three-year shelf life from time of manufacture - available on COA. 45mm bottle neck size. **Applications:** Trace metal analysis, preparing calibration solutions, sample digestion, and instrument or glassware pre-rinsing/cleaning.



Acetic Acid, Glacial HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A35-500 |

≥99.7% w/w; Methanecarboxylic Acid; $\text{C}_2\text{H}_4\text{O}_2$; CH_3COOH ; **F.W.** 60.05; CAS [64-19-7]; **Melting Point:** 16° to 16.5°C (60.8° to 61.7°F); **Flash Point:** 40°C; **Boiling Point:** 117° to 118°C (242.6° to 244.4°F); **Density:** 2.10 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 2789; Also meets ACS specifications



Acetic Acid, Glacial Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|------------------------------------|-----------|
| 500mL | Glass Bottle/Safe-Cote™ | A38S-500 |
| 500mL | Glass Bottle | A38-500 |
| 2.5L | Glass Bottle | A38-212 |
| 2.5L | Glass Bottle/Safe-Cote™ | A38S-212 |
| 2.5L | Glass Bottle/Safe-Cote™ Individual | A38SI-212 |
| 6 × 2.5L | Glass Bottle | A38C-212 |
| 20L | Poly Drum | A38P-20 |
| 450 lb. | Poly Drum | A38-450LB |

≥99.7% w/w; $\text{C}_2\text{H}_4\text{O}_2$; CH_3COOH ; **F.W.** 60.05; CAS [64-19-7]; **Melting Point:** 16° to 16.5°C (60.8° to 61.7°F); **Flash Point:** 40°C; **Boiling Point:** 117° to 118°C (242.6° to 244.4°F); **Density:** 2.10 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 2789



Acetic Acid, Glacial USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 2.5L | Glass Bottle | A490-212 |

Methanecarboxylic Acid; $\text{C}_2\text{H}_4\text{O}_2$; CH_3COOH ; **F.W.** 60.05; CAS [64-19-7]; **Melting Point:** 16° to 16.5°C (60.8° to 61.7°F); **Flash Point:** 40°C; **Boiling Point:** 117° to 118°C (242.6° to 244.4°F); **Density:** 2.10 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 2789



Acetic Acid Optima™ LC/MS



| Quantity | Packaging | Cat. No. |
|----------|-----------|--------------|
| 1mL | Ampule | A113-1AMP |
| 10 × 1mL | Ampule | A113-10X1AMP |

≥99.7%; $\text{C}_2\text{H}_4\text{O}_2$; CH_3COOH ; **F.W.** 60.05; CAS [64-19-7]; **Melting Point:** 16° to 16.5°C (60.8° to 61.7°F); **Flash Point:** 40°C; **Boiling Point:** 117° to 118°C (242.6° to 244.4°F); **Density:** 2.10 (Air = 1.0)

Acetic Acid, Glacial USP/FCC/EP/BP



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 2.5L | Glass Bottle | A491-212 |

Methanecarboxylic Acid; $\text{C}_2\text{H}_4\text{O}_2$; CH_3COOH ; **F.W.** 60.05; CAS [64-19-7]; **Melting Point:** 16° to 16.5°C (60.8° to 61.7°F); **Flash Point:** 40°C; **Boiling Point:** 117° to 118°C (242.6° to 244.4°F); **Density:** 2.10 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 2789



Acetic Acid, Glacial



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC22214-0010 |
| 2.5L | Glass Bottle | AC22214-0025 |

99.8%; Glacial Acetic Acid; $\text{C}_2\text{H}_4\text{O}_2$; CH_3COOH ; **F.W.** 60.05; CAS [64-19-7]; **Melting Point:** 16.0° to 16.5°C; **Flash Point:** 40°C; **Boiling Point:** 117.0° to 118.0°C; **Density:** 1.0480g/mL; **UN:** 2789

Acetic Acid, Glacial Biochemical Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC14893-0010 |
| 2.5L | Plastic Drum | AC14893-0025 |

99.8%; Glacial Acetic Acid; $\text{C}_2\text{H}_4\text{O}_2$; CH_3COOH ; **F.W.** 60.05; CAS [64-19-7]; **Melting Point:** 16.0° to 16.5°C; **Flash Point:** 40°C; **Boiling Point:** 117.0° to 118.0°C; **Density:** 1.0480g/mL; **UN:** 2789

Acetic Acid ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Plastic Drum | AC42322-5000 |
| 2.5L | Plastic Drum | AC42322-0025 |

≥99.7%; Glacial acetic acid; C₂H₄O₂; CH₃COOH; FW. 60.05; CAS [64-19-7]; **Melting Point:** 16.0° to 16.5°C; **Flash Point:** 40°C; **Boiling Point:** 117.0° to 118.0°C; **Density:** 1.0480g/mL; **UN:** 2789

Acetic Acid, Glacial ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500mL | ---- | AA36289AP |

Liquid; 99.7+%; CH₃CO₂H; FW. 60.05; CAS [64-19-7]; **Melting Point:** 16.6°C; **Flash Point:** 40°C; **Boiling Point:** 118.1°; **Density:** 1.049

Acetic Acid, Glacial BAKER INSTRA-ANALYZED™ Plus



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | PFA Bottle | 02002142 |
| 2.5L | Poly Bottle | 02002140 |
| 4L | Poly Bottle | 02002141 |

CH₃COOH; FW. 60.05; CAS [64-19-7]; **Flash Point:** 39.00°C

Acetic Acid, Glacial BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------------------------------|----------|
| 500mL | Clear Glass Bottle in Single Shipper | 02002132 |
| 2.5L | Clear Glass Bottle | 02002118 |
| 2.5L | Clear PVC Coated Glass Bottle | 02002121 |
| 4L | Poly Bottle | 02002128 |

CH₃COOH; FW. 60.05; CAS [64-19-7]; **Flash Point:** 39.00°C; Aldehyde Free
Meets ACS Reagent Chemical Requirements

Acetic Acid, Glacial HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 2.5L | Clear Glass Bottle | 02002123 |

CH₃COOH; FW. 60.05; CAS [64-19-7]; **Flash Point:** 39.00°C; Meets USP Requirements

Acetic Acid ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|-----------|
| 500mL | Glass Bottle | MAX00736 |
| 2.5L | Poly Coated Glass Bottle | MAX007375 |
| 2.5L | Glass Bottle | MAX00739 |

100%; Ethanoic acid; C₂H₄O₂; CH₃COOH; FW. 60.5; CAS [64-19-7]; **Melting Point:** 17°C; **Flash Point:** 39.9°C (103.8°F); **Boiling Point:** 116 to 118°C (1013 hPa); **Density:** 1.05g/cm³ (20°C)

Acetic Acid, Glacial



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | 14650390 |

Clear colorless liquid; ≥99.7%; Ethanoic acid, Methanecarboxylic acid; CH₃COOH; FW. 60.05; CAS [64-19-7]; **Melting Point:** 16.6°C; **Flash Point:** 39°C; **Boiling Point:** 117.9°C; For ACS analysis

Acetic Acid, Glacial USP/FCC/ACS



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 2.5L | SAFEMOR | MK3121212 |

Liquid; CH₃COOH; FW. 60.05; CAS [64-19-7]

Acetic Acid, Glacial



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA33252K7 |

Liquid; 99+%; CH₃CO₂H; FW. 60.05; CAS [64-19-7]; **Melting Point:** 16.6°C; **Flash Point:** 40°C; **Boiling Point:** 118.1°; **Density:** 1.049g/mL

Acetic Acid, Glacial



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100mL | ---- | AA39745AE |

Liquid; ≥99.9% (metals basis); CH₃CO₂H; FW. 60.05; CAS [64-19-7]; **Melting Point:** 16.6°C; **Flash Point:** 40° (104°F); **Boiling Point:** 118.1°C; **Density:** 1.049g/mL

Acetic Acid, Glacial ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 2.5L | Clear Glass Bottle | LC101003 |

Liquid; ≥99.7%; CH₃COOH; FW. 60.05; CAS [64-19-7]; **Melting Point:** 17°C; **Flash Point:** 40°C; **Boiling Point:** 118°C; **Density:** 1049kg/m³; **UN:** 2789

Acrylamide Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | 01065-500 |

Flake-like Crystals; 2-Propenamide; C₃H₅NO; CH₂CHCONH₂; FW. 71.08; CAS [79-06-1]; **Melting Point:** 82° to 86°C (179.6° to 186.8°F); **Flash Point:** 138°C; **Boiling Point:** 125°C at 25 mmHg; **Density:** 2.45 (Air = 1.0); **DOT Class 6.1:** Poison; **UN:** 2074



Aerosol™ OT, Solid, Anhydrous



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A349-500 |

Diethyl Sulfosuccinate, Docusate Sodium, Sulfobutanedioic Acid; C₂₀H₃₇O₇S₂Na; CH₃(CH₂)₃CH(C₂H₅)CH₂O₂CCH₂CH(SO₃Na)CO₂CH₂CH(C₂H₅)(CH₂)₃CH₃; FW. 444; CAS [577-11-7]; **Melting Point:** 158.89°C; **Density:** 1.1g/mL



Amberlite™ IRA-402



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 5kg | Plastic Bucket | AC36994-0050 |

Light yellow semi-transparent beads; CAS [52439-77-7]; Particle size analysis: uniformity coefficient: <1.60, harmonic mean size: 0.600 to 0.750mm, % <0.300mm: <1.0%, %>1.180mm: <5.0%

Ammonium Hydroxide Optima™



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 250mL | HDPE Bottle | A470-250 |
| 500mL | HDPE Bottle | A470-500 |
| 1L | HDPE Bottle | A470-1 |

Aqueous Ammonia; NH_4OH ; **F.W.** 35.05
 CAS [1336-21-6]; **DOT Class 8:** Corrosive; **UN:** 2672;
 Certificate of Analysis included with each bottle
 Ideal for analysis by ICP-MS and high-resolution
 ICP-MS. Evaluated for 65 metals at low-level ppt concentrations.
 Manufactured, purified, and packaged in a Class 1000 clean room.
 Packaged in specially cleaned Teflon FEP for PFA bottles to maintain
 product integrity and to eliminate metal leaching from glass bottles.
 Three-year shelf life from time of manufacture - available on COA.
Applications: Trace metal analysis, preparing calibration solutions,
 sample digestion, and instrument or glassware pre-rinsing/cleaning.



Ammonium Hydroxide ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Glass Bottle | AC42330-5000 |
| 2.5L | Glass Bottle | AC42330-0025 |

H_2NO ; NH_4OH ; **F.W.** 35.05; CAS [1336-21-6, 7732-18-5];
Melting Point: -57.0°C; **Boiling Point:** 38.0°C; **Density:** 0.9100g/mL;
UN: 2672

Ammonium Hydroxide BAKER INSTRA-ANALYZED™ Plus



| Quantity | Packaging | Cat. No. |
|----------|-----------------------------|----------|
| 500mL | Poly Bottle | 02002301 |
| 4L | Pressure Bottom Poly Bottle | 02002300 |

20%; NH_4OH ; **F.W.** 35.05; CAS [1336-21-6]

Ammonium Hydroxide TraceMetal™



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | HDPE Bottle | A512-P500 |

Aqueous Ammonia; NH_4OH ; **F.W.** 35.05;
 CAS [1336-21-6]; **DOT Class 8:** Corrosive; **UN:** 2672;
 Certificate of Analysis included with each shipment
 Ideal for analysis by IC, GF or Flame AA, ICP-OES
 and ICP-MS
 Evaluated for 65 metals at <1 ppb concentrations. Manufactured,
 purified, and packaged in a Class 1000 clean room. Packaged in
 non-breakable polypropylene bottles to maintain product integrity and
 to eliminate metal leaching from glass bottles. Three-year shelf life
 from time of manufacture - available on COA. 45 mm bottle neck size.
Applications: Trace metal analysis, preparing calibration solutions,
 sample digestion, and instrument or glassware pre-rinsing/cleaning.



Ammonium Hydroxide BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-----------------------------|----------|
| 2.5L | Clear Glass Bottle | 02002290 |
| 4L | Pressure Bottom Poly Bottle | 02002292 |

28.0% to 30.0%; NH_4OH ; **F.W.** 35.05; CAS [1336-21-6]

Ammonium Hydroxide ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 2.5L | Clear Glass Bottle | LC110503 |

Liquid; 28.0 to 30.0%; Ammonia; NH_4OH ; **F.W.** 35.05;
 CAS [7732-18-5, 1336-21-6]; **Boiling Point:** 27°C;
DOT Class 8: Corrosive; **UN:** 2672

Ammonium Hydroxide NF/FCC



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 2.5L | Glass Bottle | A667-212 |

Strong Ammonia Solution, Aqueous Ammonia;
 NH_4OH ; **F.W.** 35.05; CAS [7664-41-7, 7732-18-5];
Melting Point: -69°C (-92.2°F); **Boiling Point:** 27°C;
Density: 0.89g/mL; **DOT Class 8:** Corrosive; **UN:** 2672



Ammonium Hydroxide ACS Grade, EP



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 2.5L | Poly Coated Glass Bottle | 23749901 |
| 2.5L | Glass Bottle | MAX13033 |

28 to 30%; Ammonia water, Ammonium hydroxide solution;
 NH_4OH CAS [NH_3 in water]; **F.W.** 35.05; CAS [1336-21-6];
Melting Point: -72°C; **Boiling Point:** 32°C; **Density:** 0.90g/cm³ (20°C)

Ammonium Hydroxide Certified ACS Plus



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|------------|
| 500mL | Glass Bottle | A669-500 |
| 500mL | Glass Bottle, Safe-Cote™ | A669S-500 |
| 2.5L | Glass Bottle | A669-212 |
| 6 x 2.5L | Glass Bottle | A669C-212 |
| 6 x 2.5L | Glass Bottle, Safe-Cote™ | A669S-212 |
| 385 lb. | Poly Drum | A669-385LB |

28.0 to 30.0% w/w; Aqueous Ammonia; NH_4OH ;
F.W. 35.05; CAS [7664-41-7, 7732-18-5];
Melting Point: -69°C (-92.2°F);
Boiling Point: 27°C (80.6°F); **Density:** 0.89g/mL;
DOT Class 8: Corrosive; **UN:** 2672



Azelaic Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500g | Glass Bottle | AC40152-5000 |

98%; Nonanedioic acid; $\text{C}_8\text{H}_{16}\text{O}_4$; $\text{HOOC}(\text{CH}_2)_7\text{COOH}$; **F.W.** 188.22;
 CAS [123-99-9]; **Melting Point:** 98.0° to 103.0°C; **Flash Point:** 215°C;
Boiling Point: 237.0°C (20.0 hPa)

Barbituric Acid Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | 01309-100 |

Pyrimidine Trione, Malonylurea; $\text{C}_4\text{H}_4\text{N}_2\text{O}_3$; $\text{NHCONHCOCH}_2\text{CO}$;
F.W. 128.09; CAS [67-52-7]; **Melting Point:** 247.78°C;
Boiling Point: 260°C



Barbituric Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | 01308-100 |

≥98%; Pyrimidine Trione, Malonylurea; $\text{C}_4\text{H}_4\text{N}_2\text{O}_3$;
 $\text{NHCONHCOCH}_2\text{CO}$; **F.W.** 128.09; CAS [67-52-7];
Melting Point: 247.78°C; **Boiling Point:** 260°C



Benzoic Acid Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A65-500 |

Crystalline; ≥99.5%; Phenyl Formic Acid, Benzenecarboxylic Acid; C₇H₆O₂; C₆H₅COOH; **F.W.** 122.12; **CAS** [65-85-0]; **Melting Point:** 122.4°C; **Boiling Point:** 249.2°C



Buffer Salt, pH 4.02 Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 12 | Envelopes | B79 |

>99%; C₈H₅KO₄; **CAS** [877-24-7]; **Melting Point:** 298°C; **Density:** 1.64g/mL
Each packet (envelope) contains sufficient material to prepare 1 liter of solution with a pH of 4.01 ± 0.02 at 25°C.



Boric Acid NF



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A78-500 |

Crystalline; Orthoboric Acid, Borofax; H₃BO₃; **F.W.** 61.83; **CAS** [10043-35-3]; **Melting Point:** 169°C; **Density:** 1.44g/mL



Buffer Salt, pH 7.42 Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 12 | Envelopes | B82 |

Potassium Phosphate Monobasic/Sodium Phosphate Dibasic; **CAS** [7558-79-4, 7778-77-0]
Each packet (envelope) contains sufficient material to prepare 1 liter of solution with a pH of 7.41 ± 0.04 at 25°C.



Boric Acid Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A73-500 |
| 1kg | Poly Bottle | A73-1 |
| 3kg | Poly Bottle | A73-3 |
| 10kg | Poly Pail | A73-10 |
| 50kg | Fiber Drum | A73-50 |

Crystalline; ≥99.5%; Orthoboric Acid, Borofax; H₃BO₃; **F.W.** 61.83; **CAS** [10043-35-3]; **Melting Point:** 169°C; **Density:** 1.44g/mL



Buffer Salt, pH 9.19 Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 12 | Envelopes | B80 |

Sodium Tetraborate Decahydrate; B₂Na₂O₇·10H₂O; **CAS** [1303-96-4]; **Melting Point:** 741°C; **Boiling Point:** 1575°C; **Density:** 1.73g/mL
Each packet (envelope) contains sufficient material to prepare 1 liter of solution with a pH of 9.18 ± 0.02 at 25°C.



Boric Acid Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A74-500 |
| 1kg | Poly Bottle | A74-1 |
| 3kg | Poly Pail | A74-3 |
| 10kg | Poly Pail | A74-10 |

Powder; ≥99.5%; Orthoboric Acid, Borofax; H₃BO₃; **F.W.** 61.83; **CAS** [10043-35-3]; **Melting Point:** 169°C; **Density:** 1.44g/mL



n-Butyric Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10L | Plastic Drum | AC10811-0100 |

≥99%; C₄H₈O₂; CH₃CH₂CH₂CO₂H; **F.W.** 88.11; **CAS** [107-92-6]; **Melting Point:** -7.0° to 5.0°C; **Flash Point:** 69°C; **Boiling Point:** 162.0° to 165.0°C; **Density:** 0.9600g/mL; **UN:** 2820

Butyric Acid Sodium Salt



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500g | Glass Bottle | AC26319-5000 |

99%; Sodium butanoate; C₄H₇NaO₂; CH₃CH₂CH₂COONa; **F.W.** 110.09; **CAS** [156-54-7]; **Melting Point:** 250.0° to 253.0°C

Boric Acid



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA1065922 |

Powder; 99.99% (metals basis); Boric acid, Orthoboric acid; BH₃O₃; **CAS** [10043-35-3]; **Melting Point:** ca 185°C; **Density:** 1.435g/mL

Boric Acid BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | 02002447 |

Granular; H₃BO₃; **F.W.** 61.83; **CAS** [10043-35-3]
Meets ACS Reagent Chemical Requirements

Cadmium Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | C3-500 |

Granular; Cd; **F.W.** 112.41; **CAS** [7440-43-9]; **Melting Point:** 321°C; **Boiling Point:** 765°C; **Density:** 8.64g/mL; **DOT Class 6.1:** Poison; **UN:** 2930; **Atomic Weight:** 112.40



Boric Acid



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | 10701 |
| 10L | Cubitainer™ | 107025 |
| 20L | Cubitainer™ | 10705 |

Clear, Reddish-Orange Colored Liquid; **CAS** [7732-18-5, 10043-35-3, 62625-32-5, 845-10-3]; 4% (w/v)



Calcium Chloride Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | C77-500 |

Desiccant, 20 Mesh and Finer; ≥96%; CaCl₂; **F.W.** 110.99; **CAS** [10043-52-4]; **Melting Point:** 782°C; **Boiling Point:** 1600°C; **Density:** 2.15g/mL
Soluble in water



Calcium Chloride, Anhydrous



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | C614-500 |
| 3kg | Poly Bottle | C614-3 |
| 10kg | Poly Pail | C614-10 |

Pellets; CaCl₂; F.W. 110.99; CAS [10043-52-4];
Melting Point: 782°C; **Boiling Point:** 1600°C;
Density: 2.15g/mL
 For desiccators; Soluble in water



Calcium Sulfate

Laboratory Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 2270g | ---- | AA89750P5 |

Granular, -10+12 Mesh; Calcium Sulfate, Anhydrous; CAS [7778-18-9];
Melting Point: 1450°C (2642°F); **Density:** 2.96g/cm³; White

Carborundum



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | C192-500 |

Powder; Silicon Carbide; SiC; CSI; F.W. 40.07; CAS [409-21-2];
Melting Point: 2700°C; **Density:** 3.2g/mL



Carbowax™ PEG 401

NF



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | P167-1 |

Polyethylene Glycol, Macrogol, PEG; C₂H₄O_nH₂O;
 F.W. 380 to 420; CAS [25322-68-3]; **Melting Point:** 8°C;
Density: 1.13g/mL



Carbowax™ PEG 3350



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | P146-3 |

Powder; Polyethylene Glycol, Macrogol; HO-[CH₂CH₂O]_n-H;
 F.W. 3015 to 3685; CAS [25322-68-3]; **Melting Point:** 54°C;
Boiling Point: 200°C; **Density:** 1.2g/mL



Carbowax™ PEG 8000



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | P156-500 |
| 3kg | Poly Pail | P156-3 |

Powder; Polyethylene Glycol, Macrogol;
 HO-[CH₂CH₂O]_n-H; F.W. 7000 to 9000; CAS [25322-68-3];
Melting Point: 55° to 60°C (31° to 140°F); **Flash Point:** 270°C;
Boiling Point: 200°C; **Density:** 1.1g/mL



Cellulose, Microcrystalline



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5kg | Plastic Drum | AC38724-0050 |

CAS [9004-34-6]; 250 Micron <1% min., 75 Micron <30% min.,
 32 Micron >50% min.

Chloramine T Trihydrate



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 250g | Glass Bottle | 01779-250 |

Powder; C₂H₄ClNNaO₂·3H₂O; F.W. 281.69; CAS [7080-50-4];
Melting Point: 167° to 177°C; **Density:** 1.43g/mL



Chloroform-d

NMR Grade



| Quantity | Packaging | Cat. No. |
|-------------|-----------|--------------|
| 10 × 0.75mL | Ampules | AC32068-0075 |

CCl₂D₂; CDCl₃; F.W. 120.39; CAS [865-49-6]; **Melting Point:** -64.0°C;
Boiling Point: 60.0°C; **Density:** 1.5000g/mL; **UN:** 1888

Chloroform-D1



| Quantity | Packaging | Cat. No. |
|----------|--------------|-------------|
| 100mL | Glass Bottle | M1024500100 |

Liquid; 99.8% min.; Deuteriochloroform; CDCl₃; F.W. 120.38;
 CAS [865-49-6]; **Melting Point:** -64.1°C (-83.4°F);
Boiling Point: 60°C (140°F); **Density:** 1.50g/cm³ at 20°C (68°F);
UN: 1888; Colorless; For NMR spectroscopy; Stabilized with silver

Chlorosulfonic Acid

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250g | ---- | AA8797730 |
| 1kg | ---- | AA87977A1 |

Yellow to brown liquid; typically 99%; HSO₃Cl; F.W. 116.52;
 CAS [7790-94-5]; **Melting Point:** -80°C; **Boiling Point:** 158°C;
Density: 1.753g/cm³ at 20°C; **UN:** 1754; Yellow to brown

Citric Acid



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC22034-0025 |

99.5%; 2-Hydroxy-1,2,3-propanetricarboxylic acid; C₆H₈O₇;
 HO₂CCH₂C(OH)(CO₂H)CH₂CO₂H; F.W. 192.13; CAS [77-92-9];
Melting Point: 153.0°C; **Flash Point:** 100°C

Citric Acid

ACS Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 2kg | ---- | AA36664A3 |

Crystalline; >99.5+%; C₆H₈O₇; F.W. 192.13; CAS [77-92-9];
Melting Point: 153° to 154°C; **Density:** 1.665g/mL

Citric Acid, Anhydrous

USP



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 3kg | Poly Bottle | A95-3 |
| 250 lb. | Fiber Drum | A95-250LB |

Crystalline; C₆H₈O₇; F.W. 192.13; CAS [77-92-9];
Melting Point: 153°C; **Boiling Point:** 175°C; **Density:** 1.67g/mL;



Citric Acid Monohydrate

USP



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | A110-3 |
| 10kg | Poly Pail | A110-10 |

Granular; C₆H₈O₇·H₂O; F.W. 210.14; CAS [5949-29-1];
Melting Point: 135° to 152°C (275° to 305.6°F);
Flash Point: 174°C; **Boiling Point:** 175°C; **Density:** 1.54g/mL



Citric Acid Monohydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 500g | Poly Bottle | A104-500 |
| 3kg | Poly Bottle | A104-3 |
| 10kg | Poly Pail | A104-10 |
| 250 lb. | Fiber Drum | A104-250LB |

Granular; 99.0 to 102.0%; C₆H₈O₇·H₂O; (HO₂CCH₂)₂C(OH)(CO₂H)·H₂O; F.W. 210.14; CAS [5949-29-1]; **Melting Point:** 135° to 152°C (275° to 305.6°F); **Flash Point:** 174°C; **Boiling Point:** 175°C; **Density:** 1.54g/mL

ChemAlert®
Storage Code
GRAY

Copper Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | C434-500 |

Powder; Cu; F.W. 63.55; CAS [7440-50-8]; **Melting Point:** 1083°C; **Boiling Point:** 2595°C; **Density:** 8.92g/mL; **DOT Class 4.1:** Flammable Solid; **UN:** 3178; **C.I. 77400;** **Atomic Weight:** 63.54

ChemAlert®
Storage Code
RED

Copper Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | C430-500 |

Shot; ≥99.9%; Cu; F.W. 63.55; CAS [7440-50-8]; **Melting Point:** 1083°C; **Boiling Point:** 2595°C; **Density:** 8.92g/mL; **C.I. 77400;** **Atomic Weight:** 63.54

ChemAlert®
Storage Code
GRAY

Desiccant



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | MDX00141 |

Beads; SiO₂; F.W. 60.08; 8% Indicating, 8 Mesh

Desiccant, Silica Gel

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1kg | ---- | AA44389A1 |

Granular; CAS [7631-86-9]; **Melting Point:** 1610° to 1728°C (2930° to 3142°F); **Boiling Point:** 2230°C (4046°F); **Density:** 2.17 to 2.66g/cm³; Blue; -6 to +16 Mesh

Dessicant, Silica Gel BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | 02003899 |

CAS [1343-98-2]; 4 to 10 Mesh; Indicating

Dessicant, Silica Gel, Cobaltous



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | MDX00171 |

SiO₂; F.W. 60.08; Blue Beads; Mesh size (6-8), 80% min; Moisture absorption capacity, 30% min.

Deuterium Oxide

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250g | ---- | AA1476430 |

Clear colorless liquid; 99.8% (Isotopic); Water, heavy; D₂O; F.W. 20.03; CAS [7789-20-0]; **Melting Point:** 3.8°C (38.8°F); **Boiling Point:** 101.4°C (214°F); **Density:** 1.105g/cm³ at 20°C-

Deuterium Oxide



| Quantity | Packaging | Cat. No. |
|----------|--------------|-------------|
| 100mL | Glass Bottle | M1133660100 |

Liquid; 99.90%; D₂O (Hill Formula); F.W. 20.03; CAS [7789-20-0]; **Melting Point:** 3.8°C (38.8°F); **Boiling Point:** 101°C (214°F); **Density:** 1.11g/cm³ at 20°C (68°F); Colorless; For NMR spectroscopy

Dichloromethane-d2 NMR Grade



| Quantity | Packaging | Cat. No. |
|-------------|-----------|--------------|
| 10 × 0.75mL | Ampules | AC32072-0075 |

CCl₂D₂; CD₂Cl₂; F.W. 86.95; CAS [1665-00-5]; **Melting Point:** -97.0°C; **Boiling Point:** 40.0°C; **Density:** 1.3600g/mL; **UN:** 1593

Dimethyl Sulfoxide-d6

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 10g | ---- | AAA1689309 |
| 50g | ---- | AAA1689318 |

99.5%; Methyl sulfoxide-d₆; C₂D₆OS; F.W. 84.17; CAS [2206-27-1]; **Melting Point:** 20°C; **Flash Point:** 88°C; **Boiling Point:** 190°C; **Density:** 1.18g/mL

Dimethyl Sulfoxide-d6

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 5 × 1g | ---- | AA3651746 |

Liquid; 99.9%; (CD₃)₂SO; F.W. 84.17; CAS [2206-27-1]; **Melting Point:** 20°C; **Flash Point:** 88° (190°F); **Boiling Point:** 190°C; **Density:** 1.18g/mL

Dimethyl Sulfoxide-D6



| Quantity | Packaging | Cat. No. |
|-------------|--------------|-------------|
| 10 × 0.75mL | Glass Ampule | M1034240009 |
| 50mL | Glass Bottle | M1034240050 |

Liquid; 99.8% min.; Hexadeuterodimethyl sulfoxide, DMSO deuterated; (CD₃)₂SO; F.W. 84.17; CAS [2206-27-1]; **Melting Point:** 20.2°C (68.4°F); **Flash Point:** 88°C; **Boiling Point:** 190°C (374°F); **Density:** 1.19g/cm³ at 20°C (68°F); Colorless; For NMR spectroscopy

Dodecyl Sulfate, Sodium Salt Biochemical Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------|--------------|
| 100g | Platic Bottle | AC23042-1000 |
| 500g | Platic Bottle | AC23042-5000 |

99%; Dodecyl Sodium Sulfate, SDS, Sodium Lauryl Sulfate; C₁₂H₂₅NaO₄S; CH₃(CH₂)₁₁OSO₃Na; F.W. 288.38; CAS [151-21-3, 7757-82-6, 7647-14-5]; **Melting Point:** 206.0°C; **Flash Point:** >150°C; **UN:** 2926

Drierite™

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|---|----------|--------------|--------------|
| | 2kg | Glass Bottle | AC21905-0020 |
| CaO ₂ S; F.W. 136.14; CAS [7778-18-9]; Melting Point: 1450.0°C; Solubility in water: ca. 0.25g/L (20°C). Other solubilities: insoluble in organic liquids, slightly soluble in glycerol | | | |

Drierite™

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|--|----------|--------------|--------------|
| | 10kg | Plastic Drum | AC35001-0100 |
| CaO ₂ S; F.W. 136.13; CAS [7778-18-9, 7646-79-9]; Melting Point: 1450.0°C; UN: 3077 | | | |

Drierite™

| Alfa Aesar | Quantity | Packaging | Cat. No. |
|---|----------------|-----------|-----------|
| | 1 lb. (453.6g) | ---- | AA89751P2 |
| | 5 lb. (2.27kg) | ---- | AA89751P5 |
| Blue Granules; CAS [7778-18-9]; -8 Mesh | | | |

Drierite™ Laboratory Grade

| Alfa Aesar | Quantity | Packaging | Cat. No. |
|--|----------|-----------|-----------|
| | 2270g | ---- | AA43063P5 |
| Indicating (CaSO ₄) desiccant; Granular, -10+20 Mesh | | | |

Drierite™ Laboratory Grade

| Alfa Aesar | Quantity | Packaging | Cat. No. |
|--|----------|-----------|-----------|
| | 2270g | ---- | AA43064P5 |
| Indicating (CaSO ₄) desiccant; Granular, -6 Mesh | | | |

Drierite™ Absorbent Indicating

| M | Quantity | Packaging | Cat. No. |
|------------------------------|----------|--------------|----------|
| | 500g | Glass Bottle | MDX25151 |
| Solid; UN: 3077; Blue | | | |

Detergent, Extran™ 300

| M | Quantity | Packaging | Cat. No. |
|--------|----------|-------------|----------|
| | 4L | Poly Bottle | MEX09961 |
| Liquid | | | |

Embedding Media, TissuePrep™

| F | Quantity | Packaging | Cat. No. |
|---|---------------|-----------|----------|
| | 5 lb. (2.3kg) | Carton | T580 |
| CAS [64742-43-4, 8002-74-2]; Melting Point: 58°C (136°F) | | | |
| ChemAlert™ Storage Code GRAY | | | |

Fluorescein Pure

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|--|----------|----------------|--------------|
| | 2.5kg | Plastic Bottle | AC11924-0025 |
| C ₂₀ H ₁₂ O ₅ ; F.W. 332.30; CAS [2321-07-5]; Melting Point: 314.0° to 316.0°C | | | |

Fluorescein, Disodium Salt Pure

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|--|----------|--------------|--------------|
| | 2.5kg | Plastic Drum | AC17324-0025 |
| Acid Yellow 73, Fluorescein, Water Soluble, Uranine, C.I. 45350; C ₂₀ H ₁₀ Na ₂ O ₅ ; F.W. 376.27; CAS [518-47-8]; Melting Point: 320.0°C | | | |

Fluoroboric Acid Laboratory Grade

| F | Quantity | Packaging | Cat. No. |
|---|----------|-------------|----------|
| | 500mL | Poly Bottle | A188-500 |
| 48 to 50%; Tetrafluoroboric Acid, Hydrogen Tetrafluoroborate; HBF ₄ ; F.W. 87.81; CAS [16872-11-0, 7732-18-5, 10043-35-3]; Melting Point: -90°C (-130°F); Boiling Point: 130°C (dec); Density: 1.37g/mL; DOT Class 8: Corrosive; UN: 1775 | | | |
| ChemAlert™ Storage Code WHITE | | | |

Formic Acid ACS Grade

| Alfa Aesar | Quantity | Packaging | Cat. No. |
|---|----------|-----------|-----------|
| | 500g | ---- | AA3661736 |
| Liquid; ≥96%; CH ₂ O ₂ ; HCOOH; F.W. 46.03; CAS [64-18-6]; Melting Point: 7° to 9°C; Flash Point: 50° (156°F); Boiling Point: 100° to 101°C; Density: 1.220g/mL; Transport Hazard Class: 8 | | | |

Formic Acid ACS Grade

| Alfa Aesar | Quantity | Packaging | Cat. No. |
|---|----------|-----------|-----------|
| | 500mL | ---- | AA36504AP |
| Liquid; ≥88%; CH ₂ O ₂ ; HCOOH; F.W. 46.03; CAS [64-18-6]; Melting Point: 7° to 9°C; Flash Point: 50°C (156°F); Boiling Point: 100° to 101°C; Density: 1.220g/mL; Transport Hazard Class: 8; UN: 1779 | | | |

Formic Acid ACS Grade, USP, NF

| M | Quantity | Packaging | Cat. No. |
|---|----------|------------------|----------|
| | 500mL | Poly Bottle | MF04405 |
| | 1L | Poly Bottle | MF04407 |
| | 25L | Metal Drum w/Bag | MF044021 |
| Liquid; 98%; Methanoic Acid, Aminic Acid; HCOOH; F.W. 46.3; CAS [64-18-6]; Flash Point: 50°C (122°F) | | | |

Formic Acid ACS Grade, USP, NF

| M | Quantity | Packaging | Cat. No. |
|---|----------|-------------|----------|
| | 2.5L | Poly Bottle | MF04456 |
| Liquid; 88%; Methanoic Acid, Aminic Acid; HCOOH; F.W. 46.3; CAS [64-18-6]; Flash Point: 50°C (122°F) | | | |


Formic Acid, 88% Certified ACS

| F | Quantity | Packaging | Cat. No. |
|---|----------|-------------|-----------|
| | 100mL | Poly Bottle | A118P-100 |
| | 500mL | Poly Bottle | A118P-500 |
| | 4L | Poly Bottle | A118P-4 |
| Methanoic Acid; CH ₂ O ₂ ; HCOOH; F.W. 46.03; CAS [64-18-6]; Flash Point: 50°C; Density: 1.29g/mL; DOT Class 8: Corrosive; UN: 1779 | | | |
| ACID ChemAlert™ Storage Code WHITE | | | |

Formic Acid, 88% Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | A119P-500 |
| 1L | Poly Bottle | A119P-1 |
| 4L | Poly Bottle | A119P-4 |

CH₂O₂; HCOOH; F.W. 46.03; CAS [64-18-6];
Flash Point: 50°C; **DOT Class 8:** Corrosive; **UN:** 1779 **ACID** 

Formic Acid, 98% ACS Guaranteed Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 2.5L | Plastic Bottle | MF04406 |

Liquid; 98%; Methanoic Acid, Aminic Acid; HCOOH; F.W. 46.3;
 [64-18-6]; **Flash Point:** 50°C (122°F)

Formic Acid, 98-100% Suprapur™




| Quantity | Packaging | Cat. No. |
|----------|--------------|-------------|
| 1L | Glass Bottle | M1116701000 |

Clear Colorless Liquid; 98 to 100%; Methanoic Acid, Formylic Acid;
 CH₂O₂; HCOOH; F.W. 46.3; CAS [64-18-6]; **Melting Point:** 8°C;
Flash Point: 48°C; **Boiling Point:** 101°C (1013 hPa);
Density: 1.22g/cm³ (20°C)

Gallic Acid Monohydrate Certified ACS




| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A122-500 |

Powder; C₈H₂(OH)₃COOH·H₂O; F.W. 188.14; CAS [5995-86-8];
Melting Point: 250°C; **Density:** 1.69g/mL 

Glycine USP/EP/BP/JP




| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | G45-212 |
| 12kg | Poly Pail | G45-12 |

Crystalline Granules or Powder; Aminoacetic Acid,
 Aminoethanoic Acid, Gyn-Hydralin; C₂H₅NO₂; CH₂(NH₂)(COOH);
 F.W. 75.07; CAS [56-40-6]; **Melting Point:** 182° to 236°C (359.6° to 456.8°F);
Density: 1.16g/mL 

Glycine USP




| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | G48-500 |
| 2.5kg | Poly Bottle | G48-212 |
| 12kg | Poly Pail | G48-12 |

Crystalline granules or powder; Aminoacetic Acid,
 Aminoethanoic Acid, Gyn-Hydralin; C₂H₅NO₂; CH₂(NH₂)(COOH);
 F.W. 75.07; CAS [56-40-6]; **Melting Point:** 182° to 236°C (359.6° to 456.8°F);
Density: 1.16g/mL 

Glycine Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | G46-500 |
| 1kg | Poly Bottle | G46-1 |

Crystalline; Aminoacetic Acid, Aminoethanoic Acid,
 Gyn-Hydralin; C₂H₅NO₂; NH₂CH₂COOH; F.W. 75.07;
 CAS [56-40-6]; **Melting Point:** 182° to 236°C (359.6° to 456.8°F);
Density: 1.16g/mL 
 For amino acid nitrogen standards.

Glycolic Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5kg | Glass Bottle | AC15451-0025 |

99%; Hydroxyacetic Acid; C₂H₄O₃; HOCH₂CO₂H; F.W. 76.04;
 CAS [79-14-1]; **Melting Point:** 72.0° to 80.0°C; **Flash Point:** >300°C;
Boiling Point: 100.0°C

Hexadecyltrimethylammonium Bromide



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 25g | Plastic Bottle | AC22716-0250 |
| 100g | Plastic Bottle | AC22716-1000 |
| 500g | Plastic Bottle | AC22716-5000 |

≥99%; Cetrimonium bromide, Cetyltrimethylammonium bromide,
 CTABr; C₁₉H₄₂BrN; CH₃(CH₂)₁₆N(CH₃)₃Br; F.W. 364.45; CAS [57-09-0]

Hydrobromic Acid BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 500mL | Narrow Mouth Amber Glass Bottle | 02003020 |
| 4L | Narrow Mouth Amber Glass Bottle | 02003019 |

Meets ACS Reagent Chemical Requirements; 47% to 49%; HBr;
 F.W. 80.92; CAS [10035-10-6];
Recommended Storage: Material darkens when exposed to air and light

Hydrobromic Acid, 47-49% Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A140-500 |

47.0 to 49.0%; HBr; F.W. 80.91;
 CAS [10035-10-6, 7732-18-5]; **Melting Point:** -11°C;
Boiling Point: 126° to 128°C; **Density:** 1.49g/mL; **ACID** 
DOT Class 8: Corrosive; **UN:** 1788;
 Note: This reagent may darken on standing.

Hydrochloric Acid Optima TraceMetal™



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 250mL | PFA Bottle | A466-250 |
| 500mL | PFA Bottle | A466-500 |
| 1L | PFA Bottle | A466-1 |
| 2L | FEP Bottle | A466-2 |

Muriatic Acid; HCl; **F.W.** 36.46; CAS [7647-01-0];
DOT Class 8: Corrosive; **UN:** 1789;
ACID ChemAlert™ Storage Code WHITE
 Certificate of Lot Analysis included with each bottle.
 Ideal for analysis by ICP-MS and high-resolution ICP-MS. Evaluated for 65 metals at low-level ppt concentrations. Manufactured, purified, and packaged in a Class 1000 clean room. Packaged in specially cleaned Teflon FEP for PFA bottles to maintain product integrity and to eliminate metal leaching from glass bottles. Three-year shelf life from time of manufacture - available on COA.
Applications: Trace metal analysis, preparing calibration solutions, sample digestion, and instrument or glassware pre-rinsing/cleaning.

Hydrochloric Acid NF/FCC



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 2.5L | Glass Bottle | A481-212 |

Muriatic Acid; HCl-H₂O; **F.W.** 36.46;
 CAS [7647-01-0, 7732-18-5]; **Melting Point:** -66°C;
Boiling Point: 83°C; **Density:** 1.27 (Air = 1.0);
DOT Class 8: Corrosive; **UN:** 1789
ACID ChemAlert™ Storage Code WHITE

Hydrochloric Acid NF/FCC/ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | MK2612500 |
| 2.5L | Glass Bottle | MK26126X6 |

Liquid; HCl; **F.W.** 36.46; CAS [7647-01-0]; (HCl 36.5%-38.0%)

Hydrochloric Acid Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 2.5L | Glass Bottle | A142-212 |

Muriatic Acid; HCl-H₂O; **F.W.** 36.46;
 CAS [7647-01-0, 7732-18-5]; **Melting Point:** -66°C;
Boiling Point: 83°C; **Density:** 1.27 (Air = 1.0);
DOT Class 8: Corrosive; **UN:** 1789
ACID ChemAlert™ Storage Code WHITE

Hydrochloric Acid TraceMetal™



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | HDPE Bottle | A508-P500 |
| 2.5L | HDPE Bottle | A508-P212 |
| 4L | HDPE Bottle | A508-4 |

Muriatic Acid; HCl; **F.W.** 36.46; CAS [7647-01-0];
DOT Class 8: Corrosive; **UN:** 1789;
ACID ChemAlert™ Storage Code WHITE
 Certificate of Lot Analysis included with each shipment;
 Ideal for analysis by IC, GF or Flame AA, ICP-OES and ICP-MS. Evaluated for 65 metals at <1 ppb concentrations. Manufactured, purified, and packaged in a Class 1000 clean room. Packaged in non-breakable polypropylene bottles to maintain product integrity and to eliminate metal leaching from glass bottles. Three-year shelf life from time of manufacture - available on COA. 38 mm bottle neck size.
Applications: Trace metal analysis, preparing calibration solutions, sample digestion, and instrument or glassware pre-rinsing/cleaning.

Hydrochloric Acid OmniPure™



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 500mL | Poly Coated Glass Bottle | MHX06071 |
| 2.5L | Poly Coated Glass Bottle | MHX06072 |

34 to 37%; Muriatic Acid; HCl in water; **F.W.** 36.46;
 CAS [7647-01-0]; **Melting Point:** -74°C (-101.2 °F);
Boiling Point: 110°C (230 °F)

Hydrochloric Acid



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 1L | PFA Bottle | MHX06086 |

Liquid; Muriatic Acid; HCl-H₂O; **F.W.** 36.46

Hydrochloric Acid



| Quantity | Packaging | Cat. No. |
|----------|-------------|--------------|
| 10L | Plastic Can | AC12420-0100 |

ClH; HCl; **F.W.** 36.45; CAS [7647-01-0, 7732-18-5]; **Boiling Point:** 100.0°C;
Density: 1.0000g/mL

Hydrochloric Acid ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | MHX06034 |
| 2.5L | Glass Bottle | MHX06033 |

Liquid; HCl in Water; **F.W.** 36.46; CAS [7647-01-0];
Melting Point: -74°C (-101.2°F); **Boiling Point:** 110°C (230°F)

Hydrochloric Acid ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5L | Plastic Bottle | AC42379-0026 |

Muriatic Acid; ClH; HCl; **F.W.** 36.45; CAS [7647-01-0, 7732-18-5];
Melting Point: -35.0°C; **Boiling Point:** 57.0°C; **Density:** 1.1800g/mL;
UN: 1789

Hydrochloric Acid ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|-----------|
| 2.5L | Clear Glass Bottle | LC149503 |
| 6 x 2.5L | Clear Glass Bottle | LC1495036 |

Liquid; 36.5 to 38.0%; Muriatic Acid; HCl; **F.W.** 36.46;
 CAS [7732-18-5, 7647-01-0]; **Density:** 1190kg/m³;
DOT Class 8: Corrosive; **UN:** 1789

Hydrochloric Acid Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5L | Glass Bottle | AC45055-0025 |
| 5L | Plastic Drum | AC45056-0050 |

37%; Muriatic Acid; ClH; HCl; **F.W.** 36.45; CAS [7647-01-0, 7732-18-5];
Melting Point: -35.0°C; **Boiling Point:** 57.0°C; **Density:** 1.1800g/mL

Hydrochloric Acid BAKER INSTRA-ANALYZED™ Plus



| Quantity | Packaging | Cat. No. |
|----------|-----------------------------|----------|
| 500mL | Poly Bottle | 02003057 |
| 2.5L | Narrow Mouth PTFE Bottle | 02003042 |
| 4L | Pressure Bottom Poly Bottle | 02003054 |

HCl; **F.W.** 36.46; CAS [7647-01-0]

Hydrochloric Acid BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|----------|
| 500mL | Clear Glass Bottle | 02003053 |
| 2.5L | Clear Glass Bottle | 02003048 |
| 2.5L | Clear PVC-Coated Glass Bottle | 02003051 |

36.5% to 38.0%; HCl; **F.W.** 36.46; CAS [7647-01-0]

Hydrochloric Acid Concentrate, 1N Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100mL | Glass Bottle | SA55 |

Concentrate; Muriatic Acid; HCl; CAS [7647-01-0, 7732-18-5]; **Melting Point:** -17°C; **Boiling Point:** 81.5° to 110°C; **Density:** 1.16g/mL; **DOT Class 8:** Corrosive; **UN:** 1789; 0.0990 to 0.1010N; Each bottle contains exact amount of 1N concentrate required to make 1 liter of 0.1N (N/10) solution.



Hydrochloric Acid Concentrate, 10N Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100mL | Glass Bottle | SA49 |

Concentrate; HCl-H₂O; CAS [7647-01-0, 7732-18-5]; **Melting Point:** -66°C; **Boiling Point:** 83°C; **Density:** 1.27 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 1789; 0.990 to 1.010N Each bottle contains exact amount of 10N concentrate required to make 1 liter of 1N or 10 liters of 0.1N (N/10) solution.



Hydrofluoric Acid Trace Metal™



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | LDPE Bottle | A513-500 |
| 4L | HDPE Bottle | A513-4 |

Liquid; HF; **F.W.** 20.01; CAS [7664-39-3]; **DOT Class 8:** Corrosive; **UN:** 1790; Certificate of Lot Analysis included with each shipment. Ideal for analysis by IC, GF or Flame AA, ICP-OES and ICP-MS. Evaluated for 65 metals at <1 ppb concentrations. Manufactured, purified, and packaged in a Class 1000 clean room. Packaged in non-breakable polypropylene bottles to maintain product integrity and to eliminate metal leaching from glass bottles. Three-year shelf life from time of manufacture - available on COA. 45mm bottle neck size. **Applications:** Trace metal analysis, preparing calibration solutions, sample digestion, and instrument or glassware pre-rinsing/cleaning.



Hydrofluoric Acid Optima™



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 250mL | PFA Bottle | A463-250 |
| 500mL | PFA Bottle | A463-500 |
| 1L | PFA Bottle | A463-1 |
| 2L | PFA Bottle | A463-2 |

Liquid; HF; **F.W.** 20.01; CAS [7664-39-3]; **DOT Class 8:** Corrosive; **UN:** 1790; Certificate of Lot included with each bottle. Ideal for analysis by ICP-MS and high-resolution ICP-MS. Evaluated for 65 metals at low-level ppt concentrations. Manufactured, purified, and packaged in a Class 1000 clean room. Packaged in specially cleaned Teflon FEP for PFA Bottles to maintain product integrity and to eliminate metal leaching from glass bottles. Three-year shelf life from time of manufacture - available on COA. **Applications:** Trace metal analysis, preparing calibration solutions, sample digestion, and instrument or glassware pre-rinsing/cleaning.



Hydrofluoric Acid Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 10 lb. | Poly Bottle | A147-10LB |

48.0 to 51.0% w/w; Fluorhydric Acid, Hydrogen Fluoride; HF; **F.W.** 20.01; CAS [7732-18-5, 7664-39-3]; **Melting Point:** -35°C; **Boiling Point:** 105°C; **Density:** 2.21 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 1790



Hydrofluoric Acid ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 1 lb. | Circle of Safety Bottle | MK26401 |

Liquid; 48%; HF; **F.W.** 20.01; CAS [7664-39-3]

Hydrofluoric Acid ACS Grade, USP, NF



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | MHX06213 |

Liquid; 48%; Hydrogen Fluoride; HF; **F.W.** 20.01

Hydrofluoric Acid



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 1 lb. | Circle of Safety Bottle | MK26481 |

Liquid; 52%; HF; **F.W.** 20.01; CAS [7664-39-3]

Hydrofluoric Acid ULTREX™ II Ultrapure Reagent



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 500mL | PFA Bottle | 02003075 |

HF; **F.W.** 20.01; CAS [7664-39-3]

Hydrofluoric Acid BAKER INSTRA-ANALYZED™ Plus



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 500mL | Narrow Mouth Poly Bottle | 02003076 |
| 4L | Bagged Poly Bottle | 02003074 |

HF; **F.W.** 20.01; CAS [7664-39-3]

Hydrofluoric Acid BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Bagged Poly Bottle | 02003072 |

Clear Colorless Liquid; 48.0 to 51.0%; Fluoric Acid, Fluorhydric Acid; HF; **F.W.** 36.46; CAS [7664-39-3]; **Melting Point:** -83.6°C; **Boiling Point:** 19.5°C; **Density:** 1.15g/mL

Hydrofluoric Acid, 48-50% Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 10 lb. | Poly Bottle | A146-10LB |

48 to 50% w/w; HF; **F.W.** 20.01; CAS [7732-18-5, 7664-39-3]; **Melting Point:** -35°C; **Boiling Point:** 105°C; **Density:** 2.21 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 1790



Hydrogen Peroxide Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5L | Plastic Drum | AC44438-0050 |

H₂O₂; **FW**: 34.00; CAS [7722-84-1, 7732-18-5];
Melting Point: -33.0°C; **Boiling Point**: 108.0°C; **Density**: 1.1350g/mL

Hydrogen Peroxide Solution Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 1L | Plastic Bottle | MHX06405 |

Liquid; 30%; H₂O₂ in water; **FW**: 34.1; CAS [7722-84-1]; Clear

Iodine Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5kg | Glass Bottle | AC19656-0025 |

Dark Gray Lustrous Flakes or Spheres; 99.5% I₂; **FW**: 253.81;
 CAS [7553-56-2]; **Melting Point**: 113°C; **Boiling Point**: 185.0°C

Iron



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | I60-500 |

Electrolytic Powder; ≥99%; Fe; **FW**: 55.85; CAS [7439-89-6];
Melting Point: 1535°C; **Boiling Point**: 2750°C;
Density: 7.86g/mL; **DOT Class 4.1**: Flammable Solid; **UN**: 3089;
Atomic Weight: 55.85; Finer than 100 Mesh



Iron



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | I57-500 |

Filings, Degreased; Fe; **FW**: 55.85; CAS [7439-89-6];
Melting Point: 1535°C; **Boiling Point**: 2750°C;
Density: 7.86g/mL; **DOT Class 4.1**: Flammable Solid; **UN**: 3089;
Atomic Weight: 55.85; 50 to 70 Mesh



Iron(III) Nitrate Nonahydrate ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10kg | Plastic Drum | AC42371-0100 |

≥98%; Ferric Nitrate; Fe(NO₃)₃·9H₂O; **FW**: 404.00;
 CAS [7782-61-8]; **Melting Point**: 47.0°C; **Density**: 1.6800g/mL; **UN**: 1466

Iron(0) Pentacarbonyl



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 1L | AcroSeal™ Glass Bottle | AC18762-0010 |

Pentacarbonyl Iron; C₅FeO₅; Fe(CO)₅; **FW**: 195.90; CAS [13463-40-6];
Melting Point: -20.0°C; **Flash Point**: -15°C; **Boiling Point**: 103.0°C;
Density: 1.4900g/mL; **UN**: 1994

Karl Fischer, AQUASTAR® Anhydrous Methanol



| Quantity | Packaging | Cat. No. |
|----------|--------------------|-----------|
| 1L | Amber Glass Bottle | MAX1699M6 |
| 4L | Amber Glass Bottle | MAX1699M3 |

Karl Fischer reagent; Liquid; CH₃OH; **FW**: 32.04; CAS [67-56-1];
DOT Class 3: Flammable Liquid, Toxic; **UN**: 1230;
 Colorless to Pale Yellow
 Methanol for Volumetric Karl Fischer Titrations. For moisture
 determination. Assay >99.8%. Max. 0.01% H₂O content.

Karl Fischer, AQUASTAR® Buffer



| Quantity | Packaging | Cat. No. |
|----------|--------------------------------|-----------|
| 500mL | Poly Coated Amber Glass Bottle | MAX1699D1 |
| 2L | Poly Coated Amber Glass Bottle | MAX1699D3 |

Karl Fischer reagent; Liquid; CAS [67-56-1];
DOT Class 3: Flammable Liquid, Toxic; **UN**: 1993;
 Colorless to Pale Yellow;
 Reagent for Volumetric Karl Fischer Titrations. Stabilizes titration
 solvent for determining water content of strong acids and bases.

Karl Fischer, AQUASTAR® CombiCoulomat Frit Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------------|-------------|
| 500mL | GL45 Glass Bottle | M1092550500 |

Karl Fischer reagent; Coulometric Single Solution

Karl Fischer, AQUASTAR® CombiMethanol



| Quantity | Packaging | Cat. No. |
|----------|-------------------|-------------|
| 1L | GL45 Glass Bottle | M1880091045 |
| 2.5L | GL45 Glass Bottle | M1880092545 |

Karl Fischer, Clear colorless liquid; 99.8% min.; CH₃OH; **FW**: 32.04;
 CAS [67-56-1]

Karl Fischer, AQUASTAR® CombiSolvent



| Quantity | Packaging | Cat. No. |
|----------|--------------|-------------|
| 1L | Glass Bottle | M1880081000 |

Karl Fischer reagent

Karl Fischer, AQUASTAR CombiTitrant 1



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|-------------|
| 1L | 38/430 Poly Coated Glass Bottle | M1880011038 |

Liquid; CAS [111-90-0, 7553-56-2, 7446-09-5, 288-32-4];
Flash Point: 70°C (158°F); **Density**: 1.065 to 1.085g/cm³; **UN**: 1760;
 Brownish-red

Karl Fischer, AQUASTAR® CombiTitrant 2



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|-------------|
| 1L | GL45 Poly Coated Glass Bottle | M1880021045 |

Karl Fischer reagent; Red-Brown Liquid; **Density**: 1.090-1.110g/cm³

Karl Fischer, AQUASTAR® CombiTitrant 5



| Quantity | Packaging | Cat. No. |
|----------|--------------|-------------|
| 1L | Glass Bottle | M1880051038 |

Karl Fischer reagent; Liquid;
 CAS [111-90-0, 7553-56-2, 288-32-4, 7446-09-5];
Flash Point: 66.667°C (152°F); **Density**: 1.160 to 1.190g/cm³; **UN**: 1760;
 Red-brown

Karl Fischer, AQUASTAR® CombiTitant 5



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|-------------|
| 1L | GL45 Poly Coated Glass Bottle | M1880051045 |
| 1L | 38/430 Poly Coated Glass Bottle | M1880061038 |
| 1L | GL45 Poly Coated Glass Bottle | M1880061045 |
| 2.5L | GL45 Poly Coated Glass Bottle | M1880052545 |

Karl Fischer reagent; Red-Brown Liquid;
Density: 1.160-1.190g/cm³ at 20°C

Karl Fischer, AQUASTAR® Composite 2



| Quantity | Packaging | Cat. No. |
|----------|--------------------------------|-----------|
| 1L | Poly Coated Amber Glass Bottle | MAX1698B6 |
| 2L | Poly Coated Amber Glass Bottle | MAX1698B3 |
| 4L | Poly Coated Amber Glass Bottle | MAX1698B5 |

Karl Fischer reagent; Liquid; CAS [7553-56-2];
DOT Class 3: Flammable Liquid; **UN:** 1993; Red Brown;
Original Formulation
Reagent for Volumetric Karl Fischer Titrations. For titrimetric moisture determination. Titer ≈ 2mg H₂O/mL. Free of pyridine.

Karl Fischer, AQUASTAR® Composite 2K, Original Formulation



| Quantity | Packaging | Cat. No. |
|----------|--------------------------------|-----------|
| 1L | Poly Coated Amber Glass Bottle | MAX1698E6 |

Karl Fischer reagent; Liquid; CAS [7553-56-2];
DOT Class 3: Flammable Liquid; **UN:** 1993; Red Brown;
Original Formulation
Reagent for Volumetric Karl Fischer Titrations. For titrimetric moisture determination. Titer ≈ 2mg H₂O/mL. Free of pyridine. Use with Solvent KN (MAX1699EN Series) or Solvent KC (MAX1699KC Series).

Karl Fischer, AQUASTAR® Composite 5



| Quantity | Packaging | Cat. No. |
|----------|--------------------------------|-----------|
| 1L | Poly Coated Amber Glass Bottle | MAX1698A6 |
| 2L | Poly Coated Amber Glass Bottle | MAX1698A3 |
| 4L | Poly Coated Amber Glass Bottle | MAX1698A5 |

Karl Fischer reagent; Liquid; CAS [7553-56-2];
DOT Class 3: Flammable Liquid; **UN:** 1993; Red Brown;
Original Formulation
Reagent for Volumetric Karl Fischer Titrations. Free of pyridine.
For moisture determination. Titer ≈ 5mg H₂O/mL.

Karl Fischer, AQUASTAR® Composite 5K



| Quantity | Packaging | Cat. No. |
|----------|--------------------------------|-----------|
| 1L | Poly Coated Amber Glass Bottle | MAX1698D6 |
| 4L | Poly Coated Amber Glass Bottle | MAX1698D5 |

Karl Fischer reagent; Liquid; CAS [7553-56-2];
DOT Class 3: Flammable Liquid; **UN:** 1993; Red Brown;
Original Formulation
Reagent for Volumetric Karl Fischer Titrations. Free of pyridine.
For moisture determination. Titer ≈ 5mg H₂O/mL. Use with Solvent KN (MAX1699EN Series) or Solvent KC (MAX1699KC Series).

Karl Fischer, AQUASTAR® Coulomat A



| Quantity | Packaging | Cat. No. |
|----------|--------------------------------|------------|
| 500mL | Poly Coated Amber Glass Bottle | MAX1697A1 |
| 4L | Poly Coated Amber Glass Bottle | MAX1697A30 |

Karl Fischer reagent; Liquid; Coulometric Anode Solution;
CAS [7553-56-2]; **DOT Class 3:** Flammable Liquid, Toxic; **UN:** 1993;
Colorless to light yellow; **Original Formulation;**
Reagent for Coulometric Karl Fischer Titrations.
Analyte containing halogenated hydrocarbons for oily samples.
Free of pyridine. For use with all coulometric titrators.

Karl Fischer, AQUASTAR® Coulomat A



| Quantity | Packaging | Cat. No. |
|----------|--------------------------------|------------|
| 500mL | Poly Coated Amber Glass Bottle | MAX1697A11 |

Karl Fischer reagent; CAS [7553-56-2];
DOT Class 3: Flammable Liquid, Toxic; **UN:** 1993;
Safer Formulation; Reagent for Coulometric Karl Fischer Titrations.
Free of chlorinated hydrocarbons and pyridine.

Karl Fischer, AQUASTAR® Coulomat AK Anode Solution



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|------------|
| 500mL | 38/430 Poly Coated Glass Bottle | MAX1697E1 |
| 4L | 38/430 Poly Coated Glass Bottle | MAX1697E30 |

Karl Fischer reagent; Clear colorless liquid;
Coulometric Anode Solution

Karl Fischer, AQUASTAR® Coulomat C



| Quantity | Packaging | Cat. No. |
|----------|--------------------|-----------|
| 25mL | Amber Glass Bottle | MAX1697C1 |

Karl Fischer reagent; Liquid; Coulometric Anode Solution;
CAS [7553-56-2]; **DOT Class 3:** Flammable Liquid, Toxic; **UN:** 1993;
Colorless to light yellow; Original Formulation. Reagent for
Coulometric Karl Fischer Titrations. Catholyte containing halogenated
hydrocarbons for oily samples. Free of pyridine. For use with all
coulometric titrators.

Karl Fischer, AQUASTAR® Coulomat CK Cathode Solution



| Quantity | Packaging | Cat. No. |
|----------|--------------------|------------|
| 5mL | Ampule | MAX1697F3 |
| 25mL | Amber Glass Bottle | MAX1697F1 |
| 1L | Amber Glass Bottle | MAX1697F31 |

Karl Fischer reagent; **UN:** 2810

Karl Fischer, AQUASTAR®, Combititrant Coulomat CN



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 25mL | Amber Glass Bottle | 23794090 |

Karl Fischer reagent; CAS [7446-09-5]

Karl Fischer, AQUASTAR® Solvent KN



| Quantity | Packaging | Cat. No. |
|----------|--------------------|------------|
| 1L | Amber Glass Bottle | MAX1699EN6 |
| 4L | Amber Glass Bottle | MAX1699EN5 |

Karl Fischer reagent; Liquid; CAS [67-56-1]; **DOT Class 3:** Flammable Liquid; **UN:** 1188; Colorless to Pale Yellow Reagent for Volumetric Karl Fischer Titrations. Free of chlorinated hydrocarbons. Use with Composite 2K (MAX1698EN-1) or 5K (MAX1698DN Series) reagents for determinations of H₂O in ketones and aldehydes.

Karl Fischer, AQUASTAR® Solvent S



| Quantity | Packaging | Cat. No. |
|----------|--------------------------------|-----------|
| 2L | Poly Coated Amber Glass Bottle | MAX1699B3 |
| 4L | Poly Coated Amber Glass Bottle | MAX1699B5 |

Karl Fischer reagent; Liquid; CAS [67-56-1]; **DOT Class 3:** Flammable Liquid, Toxic; **UN:** 1993; Colorless to Pale Yellow; AQUASTAR™ Reagent for Volumetric Karl Fischer Titrations. Free of 2-methoxyethanol and pyridine. Two-component reagent for use with AquaStar Titrant 2 (MAX1698H Series) or Titrant 5 (MAX1698C Series).

Karl Fischer, AQUASTAR® Titrant 5



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|-------------|
| 2.5L | 38/430 Poly Coated Glass Bottle | M1880102538 |

Karl Fischer reagent; Liquid; CAS [67-56-1, 7553-56-2]; **Flash Point:** <21°C (<69.8°F); **Density:** 0.850 to 0.860g/cm³; **UN:** 1230; Red-brown

Karl Fischer, AQUASTAR® Water/Methanol Standard, 5000ppm



| Quantity | Packaging | Cat. No. |
|----------|--------------------|-----------|
| 1L | Amber Glass Bottle | MAX1699A6 |

Karl Fischer reagent; Liquid; 0.50%; CH₃OH; **FW:** 32.04; CAS [67-56-1]; **DOT Class 3:** Flammable Liquid, Toxic; **UN:** 1230; Colorless to Pale Yellow; Standard, 5000 ppm Reagent for Volumetric Karl Fischer Titrations. For standardization and back titration. 1mL ≈ 5mg H₂O ±0.02mg. Certificate of analysis available.

Karl Fischer, CombiCoulomat Fritless Reagent Apura®



| Quantity | Packaging | Cat. No. |
|----------|-------------------|-------------|
| 500mL | GL45 Glass Bottle | M1092570500 |

Karl Fischer reagent; Coulometric Single Solution

Karl Fischer, Solvent MC



| Quantity | Packaging | Cat. No. |
|----------|---------------------|------------|
| 2L | 38/430 Glass Bottle | MAX1699MC3 |

Karl Fischer reagent; Clear colorless liquid

Karl Fischer, Standard, Water 0.01%

Apura™



| Quantity | Packaging | Cat. No. |
|----------|--------------|-------------|
| 80mL | Glass Ampule | M1880500010 |

Karl Fischer reagent; 0.01%; Apura™ Karl Fischer Water Standard; 0.1mg H₂O/g

Karl Fischer, Standard, Water 0.10%

Apura™



| Quantity | Packaging | Cat. No. |
|----------|-----------|-------------|
| 80mL | Ampule | M1880510010 |

Karl Fischer reagent; 0.10%; Apura™ Karl Fischer Water Standard; 0.1mg H₂O/g

Karl Fischer, Standard, Water 1.0%



| Quantity | Packaging | Cat. No. |
|----------|--------------|-------------|
| 80mL | Glass Ampule | M1880520010 |

Karl Fischer reagent; 1.00%; Apura™ Karl Fischer Water Standard, Mixture. Contains 1-Methoxy-2-propanol.

Karl Fischer Volumetric Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------------------------|----------|
| 1L | Poly Coated Amber Glass Bottle | MXK00106 |

Karl Fischer reagent; **DOT Class 3:** Flammable Liquid; **UN:** 1993 Reagent for Volumetric Karl Fischer Titrations. For titrimetric moisture determination. Titer ≈ 5mg H₂O/mL. Contains pyridine and 2-methoxyethanol.

Karl Fischer, Water Standard Oven 1%



| Quantity | Packaging | Cat. No. |
|----------|--------------|-------------|
| 5g | Glass Bottle | M1880540005 |

Karl Fischer reagent; Solid; **Density:** 460kg/m³ (Bulk); White

Laboratory Glass Cleaner



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 6 qt. | Poly Bottle | MK21571 |

Lactic Acid

USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A159-500 |

2-Hydroxypropanoic Acid; C₃H₆O₃; CH₃CH(OH)CO₂H; **FW:** 90.08; CAS [50-21-5, 97-73-4]; **Melting Point:** 18°C (64°F); **Boiling Point:** 122°C at 15 mmHg; **Density:** 1.2g/mL; **DOT Class 8:** Corrosive; **UN:** 3265

| |
|-------------------------------------|
| ChemAlert® Storage Code WHITE |
|-------------------------------------|

Lactic Acid

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A162-500 |
| 1L | Glass Bottle | A162-1 |

85.0 to 90.0%; 2-Hydroxypropanoic Acid; C₃H₆O₃; CH₃CH(OH)COOH; CAS [50-21-5, 97-73-4]; **Melting Point:** 18°C (64°F); **Boiling Point:** 122°C at 15 mmHg; **Density:** 1.2g/mL; **DOT Class 8:** Corrosive; **UN:** 3265

| |
|-------------------------------------|
| ChemAlert® Storage Code WHITE |
|-------------------------------------|

Lactic Acid

ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | MLX00203 |

Liquid; 85.0 to 90.0%; CH₃CHOHCOOH; CH₃CHOHCOOH in water; **FW:** 9.8; CAS [50-21-5]

Magnesium



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|--------------|
| 25g | Wrapped in Plastic Foil | AC41338-0250 |
| 100g | Wrapped in Plastic Foil | AC41338-1000 |

≥99%; Mg; **FW:** 24.30; CAS [7439-95-4]; **Melting Point:** 651.0°C;
Flash Point: 500°C; **Boiling Point:** 1107.0°C; **UN:** 1869

Manganese(IV) Oxide



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC22258-0025 |

99%; Manganese dioxide; MnO₂; **FW:** 86.94; CAS [1313-13-9];
Melting Point: 535.0°C; **UN:** 1479

Mercury

Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1 lb. | Poly Bottle | M140-1LB |
| 5 lb. | Poly Bottle | M140-5LB |

Hg; **FW:** 200.59; CAS [7439-97-6];
Melting Point: -38.87°C; **Boiling Point:** 356.72°C;
Density: 13.59g/mL; **DOT Class 8:** Corrosive;
UN: 2809; **Atomic Weight:** 200.59



Methanol-d

NMR Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100mL | Glass Bottle | AC29913-1000 |

CH₃DO; CH₃OD; **FW:** 33.05; CAS [1455-13-6]; **Melting Point:** -98.0°C;
Flash Point: 12°C; **Boiling Point:** 65.4°C; **Density:** 0.8100g/mL;
UN: 1230

Methanol-d4



| Quantity | Packaging | Cat. No. |
|----------|--------------|-------------|
| 25mL | Glass Bottle | M1060280025 |
| 100mL | Glass Bottle | M1060280100 |

Liquid; 99.8% min.; Tetradeuteromethanol; CD₃OD; **FW:** 36.07;
CAS [811-98-3]; **Melting Point:** -98°C (-144.4°F); **Flash Point:** 11°C;
Boiling Point: 64.5°C (148.1°F) at 1013 hPa;
Density: 0.79g/cm³ at 20°C (68°F); **UN:** 1230; Colorless;
For NMR spectroscopy

Methyl Cellulose

USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | M352-500 |

Powder; Cellulose Methyl Ether; CAS [9004-67-5];
4000 centipoise



Methyl Red

Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500g | Glass Bottle | AC26444-5000 |

Acid Red 2, 2-[4-(Dimethylamino)phenylazo]benzoic acid,
C.I. 13020; C₁₅H₁₅N₃O₂; (CH₃)₂NC₆H₄N=NC₆H₄CO₂H; **FW:** 269.30;
CAS [493-52-7]; **Melting Point:** 178.0° to 182.0°C

Methyl Sulfoxide-d6

NMR Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10g | Glass Bottle | AC32129-0100 |
| 50g | Glass Bottle | AC32129-0500 |

Dimethyl-d₆ sulfoxide; C₂D₆OS; **FW:** 84.18; CAS [2206-27-1];
Melting Point: 20.2°C; **Flash Point:** 88°C; **Boiling Point:** 190.0°C;
Density: 1.1900g/mL

Methyl Sulfoxide-d6

NMR Grade



| Quantity | Packaging | Cat. No. |
|-------------|-----------|--------------|
| 10 × 0.75mL | Ampules | AC35254-0075 |

Dimethyl-d₆ sulfoxide; C₂D₆OS; **FW:** 84.18; CAS [2206-27-1];
Melting Point: 20.2°C; **Flash Point:** 88°C; **Boiling Point:** 190.0°C;
Density: 1.1900g/mL

Methyl Yellow

Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500g | Glass Bottle | AC15140-5000 |

C.I. 11020, 4-Dimethylaminoazobenzene, N,N-Dimethyl-4-phenylazoaniline, Solvent Yellow 2; C₁₄H₁₃N₃; (CH₃)₂NC₆H₄N=NC₆H₅;
FW: 225.29; CAS [60-11-7]; **Melting Point:** 111.0° to 117.0°C

Molecular Sieves



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | MK4490500 |

CAS [55465-40-2]

Molecular Sieves 3A



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 25kg | Plastic Bag in Cardbox | AC19725-0250 |

CAS [308080-99-1]

Nitric Acid

TraceMetal™



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | HDPE Bottle | A509-P500 |
| 2.5L | HDPE Bottle | A509-P212 |

HNO₃; **FW:** 63.01; CAS [7697-37-2];
DOT Class 8: Corrosive; **UN:** 2031;
Certificate of Lot Analysis included with each shipment.; Colorless to light yellow;
Ideal for analysis by IC, GF or Flame AA, ICP-OES and ICP-MS.
Evaluated for 65 metals at <1 ppb concentrations. Manufactured, purified, and packaged in a Class 1000 clean room. Packaged in non-breakable polypropylene bottles to maintain product integrity and to eliminate metal leaching from glass bottles. Three-year shelf life from time of manufacture - available on COA. 45 mm bottle neck size.
Applications: Trace metal analysis, preparing calibration solutions, sample digestion, and instrument or glassware pre-rinsing/cleaning.



Nitric Acid

OmniTrace™ Ultra



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 1L | FEP Bottle | MNX04086 |
| 2L | FEP Bottle | MNX04082 |

Clear colorless liquid; 67 to 70%;
Hydrogen Nitrate, Azotic Acid, Aqua Fortis; HNO₃; **FW:** 63.1;
CAS [7697-37-2]

Nitric Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 2.5L | Poly Coated Glass Bottle | MNX04072 |

Hydrogen Nitrate, Azotic Acid, Aqua Fortis; HNO₃; **FW.** 63.1; **CAS** [7697-37-2]; **Melting Point:** -41.06°C (-41.9°F); **Boiling Point:** 83.94°C (183.1°F)

Nitric Acid

Optima™



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 250mL | FEP Bottle | A467-250 |
| 500mL | FEP Bottle | A467-500 |
| 1L | FEP Bottle | A467-1 |
| 2L | FEP Bottle | A467-2 |

Liquid; Azotic Acid, Engraver's acid; HNO₃; **FW.** 63.01; **CAS** [7697-37-2]; **Melting Point:** -41°C (-41.8°F); **Boiling Point:** 120.5°C (248°F); **DOT Class 8:** Corrosive; **UN:** 2031
 Certificate of Lot Analysis is included with each bottle.; Colorless to light yellow; Ideal for analysis by ICP-MS and high-resolution ICP-MS Evaluated for 65 metals at low-level ppt concentrations. Manufactured, purified, and packaged in a Class 1000 clean room. Packaged in specially cleaned Teflon FEP for PFA bottles to maintain product integrity and to eliminate metal leaching from glass bottles. Three-year shelf life from time of manufacture - available on COA. **Applications:** Trace metal analysis, preparing calibration solutions, sample digestion, and instrument or glassware pre-rinsing/cleaning.



Nitric Acid

NF



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 2.5L | Glass Bottle | A483-212 |

69 to 70%; HNO₃; **FW.** 63.01; **CAS** [7697-37-2, 7732-18-5]; **Melting Point:** -42°C; **Boiling Point:** 86°C; **Density:** 1.4g/mL; **DOT Class 8:** Corrosive; **UN:** 2031



Nitric Acid

Certified ACS Plus



| Quantity | Packaging | Cat. No. |
|----------|---|-------------|
| 500mL | Glass Bottle | A200-500 |
| 500mL | Glass Bottle/Safe-Cote™ Bottle | A200S-500 |
| 2.5L | Glass Bottle | A200-212 |
| 6 × 2.5L | Glass Bottle | A200C-212 |
| 2.5L | Glass Bottle/Safe-Cote™ Bottle | A200S-212 |
| 2.5L | Glass Bottle/Safe-Cote™ Individual Bottle | A200S-I212 |
| 6.5 gal. | Glass Carboy | A200-612GAL |

70%; HNO₃; **FW.** 63.01; **CAS** [7697-37-2, 7732-18-5]; **Melting Point:** -42°C; **Boiling Point:** 86°C; **Density:** 1.4g/mL; **DOT Class 8:** Corrosive; **UN:** 2031



Nitric Acid

ULTREX™, II Ultrapure Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 1L | Narrow Mouth PTFE Bottle | 02003463 |

Clear Colorless Liquid; Aqua Fortis, Spirit of Niter; HNO₃; **FW.** 63.01; **CAS** [7697-37-2]; **Melting Point:** -42°C; **Boiling Point:** 83°C

Nitric Acid

BAKER INSTRA-ANALYZED™ Plus



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | PFA Bottle | 02003472 |
| 2.5L | Poly Bottle | 02003464 |

HNO₃; **FW.** 63.01; **CAS** [7697-37-2]

Nitric Acid

BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|----------|
| 2.5L | Clear Glass Bottle | 02003467 |
| 2.5L | Clear PVC Coated Glass Bottle | 02003469 |

69.0 to 70.0%; HNO₃; **FW.** 63.01; **CAS** [7697-37-2]

Nitric Acid

ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 2.5L | SAFEMOR | MK6623212 |

Clear, colorless to pale yellow liquid; HNO₃; **FW.** 63.01; **CAS** [7697-37-2]

Nitric Acid

ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | MNX04094 |

Clear, colorless to pale yellow liquid; HNO₃; **FW.** 63.01; **CAS** [7697-37-2]; **Melting Point:** -41.06°C (-41.9°F); **Boiling Point:** 83.94°C (183.1°F)

Nitric Acid

ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 2.5L | Clear Glass Bottle | LC177003 |

Liquid; 68.0 to 70.0% w/w; HNO₃; **FW.** 63.01; **CAS** [7697-37-2]; **DOT Class 8:** Corrosive; **UN:** 2031

Nitric Acid

Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 2.5L | Glass Bottle | A198C-212 |

HNO₃; **FW.** 63.01; **CAS** [7697-37-2]; **DOT Class 8:** Corrosive; **UN:** 2031



Nitric Acid

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 400mL | Glass Bottle | A202-400 |
| 500mL | Glass Bottle | A202-500 |
| 2.5L | Glass Bottle | A202-212 |

Liquid; ≥90.0%; HNO₃ and NO₂; **FW.** 63.01; **CAS** [7697-37-2, 7732-18-5, 10102-44-0]; **Melting Point:** -42°C; **Boiling Point:** 122°C; **Density:** 1.5g/mL; **DOT Class 8:** Corrosive; **UN:** 2032



Nitric Acid

Environmental Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 2.5L | --- | AA38747K4 |

67-70%; HNO₃; **FW.** 63.01; **CAS** [7697-37-2, 7732-18-5]; **Boiling Point:** 121°C (250°F); **Density:** 1.41g/cm³ at 20°C; **UN:** 2031; Colorless to pale yellow

Nitric Acid



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500mL | --- | AA87920AP |

99.999% (metals basis); HNO₃; **FW.** 63.01; **CAS** [7697-37-2]; **Boiling Point:** 121°C; **Density:** 1.41g/cm³ at 20°C; **UN:** 2031; Colorless to pale yellow

Nitric Acid Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 2.5L | Glass Bottle | A206C-212 |

Hydrogen Nitrate; HNO₃; F.W. 63.01; CAS [7697-37-2]; DOT Class 8: Corrosive; UN: 2031; 65% w/w

ACID ChemAlert Storage Code YELLOW

Nitric Acid Concentrate, 1N Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100mL | Glass Bottle | SA95 |

Concentrate; CAS [7697-37-2, 7732-18-5]; Melting Point: >0°C; DOT Class 8: Corrosive; UN: 2031; 0.0995 to 0.1005N

A volumetric standard solution, titrated at 25°C to pH 8.2 (phenolphthalein endpoint) against sodium hydroxide, which has been standardized against NIST™ potassium acid phthalate. Each bottle contains exact amount of 1N concentrate required to make 1 liter of N/10 (0.1N) solution.

ACID ChemAlert Storage Code WHITE

Nitric Acid, 2N Standardized Solution



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA44528K2 |

Liquid; HNO₃; F.W. 63.01; CAS [7697-37-2]; Density: 1.06g/mL

Oxalic Acid Dihydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 250g | Poly Bottle | A219-250 |
| 500g | Poly Bottle | A219-500 |
| 3kg | Poly Bottle | A219-3 |

Crystalline; 99.5 to 102.5%; Ethanedioic Acid; C₂H₂O₄·2H₂O; HO₂CCO₂H·2H₂O; F.W. 126.07; CAS [6153-56-6]; Melting Point: 98° to 102°C (208.4° to 215.6°F); Density: 4.62

ChemAlert Storage Code WHITE

Oxalic Acid Dihydrate Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A218-500 |
| 3kg | Poly Bottle | A218-3 |

Crystalline; C₂H₂O₄·2H₂O; HO₂CCO₂H·2H₂O; F.W. 126.07; CAS [6153-56-6]; Melting Point: 98° to 102°C (208.4° to 215.6°F); Density: 4.62; DOT Class 8: Corrosive; UN: 3261

ChemAlert Storage Code WHITE

Oxalic Acid Dihydrate ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 5kg | Plastic Bottle | AC42315-0051 |

≥99.5%; Ethanedioic acid; C₂H₂O₄·2H₂O; HO₂CCO₂H·2H₂O; F.W. 126.04; CAS [6153-56-6]; Melting Point: 98.0° to 102.0°C; UN: 3261

Palladium on Activated Carbon



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10g | Glass Bottle | AC19503-0100 |
| 50g | Glass Bottle | AC19503-0500 |
| 250g | Glass Bottle | AC19503-2500 |

Pd; F.W. 106.42; CAS [7440-05-3, 7440-44-0]; UN: 3178

Pararosaniline Chloride Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC41680-1000 |

98%; Basic Red 9, Monohydrochloride, Basic Fuchsin, C.I. 42500; C₁₉H₁₇N₃·HCl; F.W. 323.83; CAS [569-61-9]; Melting Point: 268.0° to 270.0°C

Perchloric Acid



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA35608K2 |

Liquid; HClO₄; F.W. 100.46; CAS [7601-90-3]; Melting Point: 16.6°C; Flash Point: 39°C; UN: 2920; Colorless

Perchloric Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC45285-0010 |

HClO₄; F.W. 100.46; CAS [7601-90-3, 7732-18-5]; Melting Point: -18.0°C; Flash Point: 113°C; Boiling Point: 203.0°C; Density: 1.6600g/mL

Perchloric Acid Optima™



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 250mL | FEP Bottle | A469-250 |
| 500mL | FEP Bottle | A469-500 |
| 1L | FEP Bottle | A469-1 |

Liquid; HClO₄; F.W. 100.46; CAS [7601-90-3]; DOT Class 5.1: Oxidizer; UN: 1873

Certificate of Lot Analysis included with each bottle. Ideal for analysis by ICP-MS and high-resolution ICP-MS. Evaluated for 65 metals at low-level ppt concentrations. Manufactured, purified, and packaged in a Class 1000 clean room. Packaged in specially cleaned Teflon FEP for PFA bottles to maintain product integrity and to eliminate metal leaching from glass bottles. Three-year shelf life from time of manufacture - available on COA.

Applications: Trace metal analysis, preparing calibration solutions, sample digestion, and instrument or glassware pre-rinsing/cleaning.

ACID ChemAlert Storage Code YELLOW

Perchloric Acid TraceMetal™



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | HDPE Bottle | A511-P500 |
| 2.5L | HDPE Bottle | A511-P212 |

HClO₄; F.W. 100.46; CAS [7601-90-3]; DOT Class 5.1: Oxidizer; UN: 1873

Certificate of Lot Analysis included with each shipment. Ideal for analysis by IC, GF or Flame AA, ICP-OES and ICP-MS. Evaluated for 65 metals at <1 ppb concentrations. Manufactured, purified, and packaged in a Class 1000 clean room. Packaged in non-breakable polypropylene bottles to maintain product integrity and to eliminate metal leaching from glass bottles. Three-year shelf life from time of manufacture - available on COA. 45 mm bottle neck size.

Applications: Trace metal analysis, preparing calibration solutions, sample digestion, and instrument or glassware pre-rinsing/cleaning.

ACID ChemAlert Storage Code YELLOW

Perchloric Acid, 60% Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|-----------|
| 1 lb. | Glass Bottle | A2286-1LB |
| 7 lb. | Glass Bottle | A228-7LB |
| 7 lb. | Glass Bottle/Safe-Cote™ | A228S-7LB |

60.0 to 62.0% w/w; HClO₄; F.W. 100.46; CAS [7601-90-3, 7732-18-5]; **Melting Point:** -18°C; **Flash Point:** 113°C; **Boiling Point:** 203°C; **Density:** 3.46 (Air = 1.0); **DOT Class 5.1:** Oxidizer; **UN:** 1873



Periodic Acid Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | A223-25 |
| 100g | Glass Bottle | A223-100 |

≥99%; Iodic Acid; H₅I₃O₆; F.W. 227.96; CAS [10450-60-9]; **Density:** 1.4g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 3085



Perchloric Acid, 60 - 62% ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500mL | ---- | AA33263AP |

Liquid; HClO₄; F.W. 100.46; CAS [7601-90-3]; 60-62%

Perchloric Acid, 70%



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 50mL | ---- | AA10983AD |
| 250mL | ---- | AA10983AK |

Liquid; 99.9985% (metals basis); HClO₄; F.W. 100.46; CAS [7601-90-3]; **Melting Point:** -112°C (-170°F); **Boiling Point:** 39°C (102°F) (56mm Hg); **Density:** 1.67g/cm³ at 20°C; **UN:** 1873; White; Perchloric acid: 70%

Perchloric Acid, 70% BAKER INSTRA-ANALYZED™ Plus



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | 02003553 |
| 2.5L | Poly Bottle | 02003552 |

70%; HClO₄; F.W. 100.46; CAS [7601-90-3]

Perchloric Acid, 70% ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500mL | ---- | AA87963AP |

Liquid; 70%; HClO₄; F.W. 100.46; CAS [7601-90-3]; **Melting Point:** -112°C; **Flash Point:** 113°C (235°F); **Boiling Point:** 203°C; **Density:** 1.67g/mL; **Transport Hazard Class:** 5.1; **UN:** 1873

Perchloric Acid, 70% Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|-----------|
| 1 lb. | Safe-Cote™ Bottle | A2296-1LB |
| 8 lb. | Glass Bottle | A229-8LB |
| 8 lb. | Glass Bottle/Safe-Cote™ | A229S-8LB |

69.0 to 72.0% w/w; HClO₄; F.W. 100.46; CAS [7601-90-3, 7732-18-5]; **Melting Point:** -18°C; **Flash Point:** 113°C; **Boiling Point:** 203°C; **Density:** 3.46 (Air = 1.0); **DOT Class 5.1:** Oxidizer; **UN:** 1873



Perchloric Acid, 70% ULTREX™ II Ultrapure Reagent



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 500mL | PFA Bottle | 02003551 |

70%; HClO₄; F.W. 100.46; CAS [7601-90-3]

Periodic Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC45317-0250 |
| 100g | Glass Bottle | AC45317-1000 |
| 500g | Glass Bottle | AC45317-5000 |

H₅I₃O₆; F.W. 227.94; CAS [10450-60-9]; **Melting Point:** 122.0°C

Phosphomolybdic Acid Hydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | A237-100 |

Crystalline; Molybdophosphoric Acid Hydrate; H₃Mo₁₂O₄₀P·xH₂O; F.W. 1825.25; CAS [51429-74-4]; **Melting Point:** 78° to 90°C (172.4° to 194°F); **Density:** 3.15g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 3085



Phosphomolybdic Acid Hydrate ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC41789-1000 |
| 500g | Glass Bottle | AC41789-5000 |

Molybdophosphoric acid; H₃Mo₁₂O₄₀P·xH₂O; H₃[P(Mo₃O₁₀)₄]·xH₂O; F.W. 1825.25; CAS [51429-74-4, 12026-57-2]; **UN:** 3085

m-Phosphoric Acid Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | A280-500 |
| 3kg | Glass Bottle | A280-3 |

Crystalline or Flakes; 33.5 to 36.5%; Metaphosphoric Acid, Glacial Phosphoric Acid; HPO₃; CAS [37267-86-0, 50813-16-6]; **Density:** 2.4g/mL; **DOT Class 8:** Corrosive; **UN:** 1759



Mixture of meta-Phosphoric Acid and Sodium Metaphosphate.

meta-Phosphoric Acid ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC45025-1000 |
| 500g | Glass Bottle | AC45025-5000 |
| 2.5kg | Glass Bottle | AC45025-0025 |

Phosphoric Acid, meta; H₃P; (HPO₃)_n; CAS [37267-86-0, 50813-16-6]

meta-Phosphoric Acid BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | 02003332 |

Meets ACS Reagent Chemical Requirements; CAS [37267-86-0]

o-Phosphoric Acid NF/FCC



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | A365-1 |
| 4L | Glass Bottle | A365-4 |

H₃O₄P; F.W. 98; CAS [7664-38-2, 7732-18-5];
Melting Point: 21°C; **Boiling Point:** 158°C;
Density: 1.69g/mL; **DOT Class 8:** Corrosive; **UN:** 1805

ACID



o-Phosphoric Acid HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A260-500 |

≥85.0%; H₃O₄P; F.W. 98; CAS [7664-38-2, 7732-18-5];
Melting Point: 21°C; **Boiling Point:** 158°C;
Density: 1.69g/mL; **DOT Class 8:** Corrosive; **UN:** 1805
 Also meets ACS specifications

ACID



o-Phosphoric Acid HPLC Grade, ACS, USP, NF



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 500mL | Poly Coated Glass Bottle | MPX09966 |

Liquid; 85%; H₃PO₄; F.W. 98; Clear

o-Phosphoric Acid Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|------------|
| 500mL | Glass Bottle | A242-500 |
| 1L | Glass Bottle | A242-1 |
| 2.5L | Glass Bottle | A242-212 |
| 2.5L | Glass Bottle, Safe-Cote™ | A242SK-212 |
| 4L | Glass Bottle | A242-4 |

≥85.0% w/w; Orthophosphoric Acid;
 H₃O₄P; F.W. 98; CAS [7664-38-2, 7732-18-5];
Melting Point: 21°C; **Boiling Point:** 158°C;
Density: 1.69g/mL; **DOT Class 8:** Corrosive; **UN:** 1805

ACID



o-Phosphoric Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | MPX10006 |

Liquid; 85%; H₃PO₄; F.W. 98; CAS [7664-38-2]; Clear

ortho-Phosphoric Acid Suprapur™



| Quantity | Packaging | Cat. No. |
|----------|----------------|-------------|
| 1L | Plastic Bottle | M1005521000 |

Clear colorless liquid; 85%; o-Phosphoric acid, Orthophosphoric Acid;
 CAS [7664-38-2]; **Melting Point:** 21°C; **Boiling Point:** 158°C;
Density: 1.71g/cm³ (20°C)

Phosphoric Acid NF/FCC



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 2.5L | Glass Bottle | MK2788212 |

Liquid; H₃PO₄; F.W. 98; CAS [7664-38-2]

Phosphoric Acid BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 500mL | Clear Glass Bottle | 02003602 |
| 2.5L | Clear Glass Bottle | 02003595 |

White Solid or Colorless, Viscous Liquid;
 Orthophosphoric Acid, Phosphoric(V) Acid; H₃PO₄; F.W. 97.994;
 CAS [7664-38-2]; **Melting Point:** 42.35°C; **Boiling Point:** 158°C;
Density: 1.885g/mL

Phosphoric Acid ULTREX™ II Ultrapure Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 50g | Poly Bottle | 02003606 |

H₃PO₄; F.W. 98; CAS [7664-38-2]

Phosphotungstic Acid Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 25g | Poly Bottle | A248-25 |
| 100g | Poly Bottle | A248-100 |
| 500g | Poly Bottle | A248-500 |

Crystalline; Tungstophosphoric Acid; CAS [12501-23-4];
Melting Point: 89°C; **DOT Class 8:** Corrosive;
UN: 3260; **Recommended Storage:** Refrigerate



Polyethylene Glycol 200



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02003638 |

Liquid; F.W. av. mol. wt. 190 to 210; CAS [25322-68-3]

Potassium Hydride



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500g | Plastic Drum | AC38796-5000 |

HK; KH; F.W. 40.11; CAS [7693-26-7, 8042-47-5]; **Boiling Point:** 316.0°C;
Density: 1.5400g/mL; **UN:** 3129

Potassium Hydroxide Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | P250-500 |
| 1kg | Poly Bottle | P250-1 |
| 3kg | Poly Bottle | P250-3 |
| 10kg | Poly Pail | P250-10 |
| 50kg | Fiber Drum | P250-50 |

Pellets; ≥85.0%; Caustic Potash, Potassium Hydrate; KOH;
 F.W. 56.11; CAS [1310-58-3]; **DOT Class 8:** Corrosive; **UN:** 1813



Potassium Hydroxide ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 2kg | --- | AA13451A3 |

White Pellets; 85% min.; KOH; F.W. 56.11; CAS [1310-58-3];
Melting Point: 360°C (680°F);
Boiling Point: 1320° to 1324°C (2408° to 2415°F); **Density:** 2.044g/cm³;
UN: 1813; White
 In soap manufacture, in bleaching, as an electrolyte, as an absorbent,
 in dyestuffs, in liquid fertilizer, in electroplating, as a reagent.

Potassium Hydroxide

Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | P246-3 |

Flakes; Caustic Potash, Potassium Hydrate; KOH; F.W. 56.11; CAS [1310-58-3]; **Melting Point:** 360°C (680°F); **Boiling Point:** 1320°C; **Density:** 2.04g/mL; **DOT Class 8:** Corrosive; **UN:** 1813

ChemAlert® Storage Code
WHITE

Potassium Hydroxide



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 12kg | Poly Pail | MPX14809 |

White to Off-white Pellets; 85.0% min.; Caustic potash; KOH; F.W. 56.11; CAS [1310-58-3]; For ACS analysis

Potassium Hydroxide

ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC42414-5000 |
| 2.5kg | Plastic Bottle | AC42414-0025 |

ca. 85%; HKO; KOH; F.W. 56.11; CAS [1310-58-3]; **Melting Point:** 360.0°C; **Boiling Point:** 1320.0°C; **UN:** 1813

Potassium Iodide

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5000g | ---- | AAA1270401 |

99%; KI; F.W. 166.01; CAS [7681-11-0]; **Melting Point:** 681°C; **Boiling Point:** 1330°C

Potassium Permanganate

USP



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 2.5kg | Glass Bottle | P287-212 |

Crystalline; 99.0 to 100.5%; KMnO₄; F.W. 158.03; CAS [7722-64-7]; **Melting Point:** 240°C (464°F); **Density:** 2.7g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1490; **C.I.** 77755

ChemAlert® Storage Code
YELLOW

Potassium Phosphate Monobasic

NF/FCC



| Quantity | Packaging | Cat. No. |
|----------|------------|------------|
| 250 lb. | Fiber Drum | P380-250LB |

Crystalline; Potassium Acid Phosphate, Potassium Biphosphate, Potassium Dihydrogen Phosphate; KH₂PO₄; F.W. 136.09; CAS [7778-77-0]; **Melting Point:** 252.6°C; **Density:** 2.34g/mL

ChemAlert® Storage Code
GRAY

Potassium Sulfate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5000g | ---- | AAA1397501 |

99%; K₂SO₄; F.W. 174.27; CAS [7778-80-5]; **Melting Point:** 1069°C; **Boiling Point:** 1689°C

Salicylic Acid

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A277-500 |

Crystalline Powder; 2-Hydroxybenzoic Acid; C₇H₆O₃; 2-HOC₆H₄COOH; F.W. 138.12; CAS [69-72-7]; **Melting Point:** 158.0° to 161.0°C

ChemAlert® Storage Code
GRAY

ScintiVerse™ BD Cocktail

Scintanalyzed™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | SX18-4 |

CAS [67774-74-7, 577-11-7, 9016-45-9, 92-71-7, 13280-61-0]; **Flash Point:** 279°F min.; **Density:** 0.9g/mL; Universal LSC Cocktail for aqueous, nonaqueous and emulsion counting systems. Contains biodegradable linear alkyl aromatic solvent, which can be classified as a nonhazardous liquid by local sewerage regulations.

ChemAlert® Storage Code
GRAY

ScintiVerse™ II Cocktail

Scintanalyzed™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | SX12-4 |

CAS [95-63-6, 13280-61-0, 92-71-7, 9003-11-6]; **Flash Point:** 43°C; **Density:** 0.9g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1993; General-purpose LSC Cocktail for aqueous, nonaqueous and emulsion counting systems. Pseudocumene base. Higher aqueous counting efficiencies than ScintiVerse™ I Cocktail.

SOLVENT

ChemAlert® Storage Code
RED

Silicic Acid Hydrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA3327036 |

Powder; SiO₂·xH₂O; F.W. 60.09 (anhy); CAS [1343-98-2]; White; -100 Mesh

Silver Nitrate



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5kg | Glass Bottle | AC19768-0025 |

99.85%; AgNO₃; F.W. 169.87; CAS [7761-88-8]; **Melting Point:** 212.0°C; **Boiling Point:** 444.0°C

Soda Lime

ACS Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA3659636 |
| 2.5kg | ---- | AA3659644 |

CAS [8006-28-8]; Soda Lime; 4-8 Mesh

Sodium Dodecyl Sulfate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | O2674-25 |

95 to 105%; Sodium Lauryl Sulfate, SDS, Sulfuric Acid Monododecylester Sodium Salt, Irium; C₁₂H₂₅NaO₄S; CH₃(CH₂)₁₁OSO₃Na; F.W. 288.38; CAS [151-21-3]; **Melting Point:** 204° to 207°C; **Flash Point:** 100°C; **DOT Class 4.1:** Flammable Solid; **UN:** 1325

ChemAlert® Storage Code
RED

Sodium Hydroxide



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25L | Plastic Drum | AC12419-0250 |

Caustic Soda; HNaO; NaOH; F.W. 40.00; CAS [1310-73-2, 7732-18-5]; **Density:** 1.0000g/mL

Sodium Hydroxide NF/FCC/EP/BP/JP



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | S392-212 |
| 12kg | Poly Pail | S392-12 |

Granular; Lye, Caustic Soda; NaOH; **F.W.** 40.00; CAS [1310-73-2]; **DOT Class 8:** Corrosive; **UN:** 1823



Sodium Hydroxide NF/EP/BP/FCC



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S399-500 |
| 2.5kg | Poly Bottle | S399-212 |

NaOH; **F.W.** 40; CAS [1310-73-2, 497-19-8]; **Melting Point:** 318°C; **Boiling Point:** 1390°C; **Density:** 2.13g/mL; **DOT Class 8:** Corrosive; **UN:** 1824



Sodium Hydroxide NF/FCC



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S320-500 |
| 1kg | Poly Bottle | S320-1 |
| 3kg | Poly Bottle | S320-3 |
| 10kg | Poly Pail | S320-10 |
| 50kg | Fiber Drum | S320-50 |

Pellets; Caustic Soda; NaOH; **F.W.** 40; CAS [1310-73-2, 497-19-8]; **Melting Point:** 318°C; **Boiling Point:** 1390°C; **Density:** 2.13g/mL; **DOT Class 8:** Corrosive; **UN:** 1823



Sodium Hydroxide NF



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 2.5kg | Poly Bottle | MK7772212 |

Pellets; NaOH; **F.W.** 40; CAS [1310-73-2]

Sodium Hydroxide Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100g | Poly Bottle | S318-100 |
| 500g | Poly Bottle | S318-500 |
| 1kg | Poly Bottle | S318-1 |
| 3kg | Poly Bottle | S318-3 |
| 5kg | Poly Pail | S318-5 |
| 10kg | Poly Pail | S318-10 |
| 50kg | Fiber Drum | S318-50 |

Pellets; ≥97.0%; Caustic Soda; NaOH; **F.W.** 40; CAS [1310-73-2, 497-19-8]; **Melting Point:** 318°C; **Boiling Point:** 1390°C; **Density:** 2.13g/mL; **DOT Class 8:** Corrosive; **UN:** 1823



Sodium Hydroxide Pure



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 5kg | Plastic Bottle | AC44728-0050 |

Caustic Soda; HNaO; NaOH; **F.W.** 40.00; CAS [1310-73-2]; **Melting Point:** 318.0°C; **Boiling Point:** 1390.0°C



Sodium Hydroxide Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 5kg | Plastic Bottle | AC45113-0050 |

Caustic Soda; HNaO; NaOH; **F.W.** 40.00; CAS [1310-73-2]; **Melting Point:** 318.0°C; **Boiling Point:** 1390.0°C

Sodium Hydroxide ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | MSX05901 |

Pellets; 99 to 100%; Caustic Soda, Soda Lye; NaOH; **F.W.** 40; CAS [1310-73-2]

Sodium Hydroxide ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | MSX05903 |

Pellets; NaOH; **F.W.** 40.00; Meets ACS Specifications; Meets Reagent Specifications for testing USP/NF monographs CAS [1310-73-2]

Sodium Hydroxide ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 500g | Plastic Bottle | MSX05931 |
| 2.5kg | Plastic Bottle | MSX05933 |

Pellets; 97.0%, min.; Caustic Soda, Soda Lye; NaOH; **F.W.** 40; CAS [1310-73-2]

Sodium Hydroxide Pure



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC45058-0025 |

98%; Caustic Soda; HNaO; NaOH; **F.W.** 40.00; CAS [1310-73-2]; **Melting Point:** 318.0°C; **Boiling Point:** 1390.0°C

Sodium Hydroxide ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1kg | Poly Bottle | LC239002 |

Pellets; >97.0%; Caustic Soda; NaOH; **F.W.** 40; CAS [1310-73-2]; **Melting Point:** 323°C (73°F); **Boiling Point:** 1388°C; **Density:** 2130kg/m³; **DOT Class 8:** Corrosive; **UN:** 1823

Sodium Hydroxide



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | S612-3 |
| 50kg | Fiber Drum | S612-50 |

Beads; Caustic Soda; NaOH; **F.W.** 40; CAS [1310-73-2, 497-19-8]; **Melting Point:** 318°C; **Boiling Point:** 1390°C; **Density:** 2.13g/mL; **DOT Class 8:** Corrosive; **UN:** 1823



Sodium Hydroxide



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | S613-3 |
| 10kg | Poly Pail | S613-10 |
| 50kg | Fiber Drum | S613-50 |

Beads; Caustic Soda; NaOH; **F.W.** 40; CAS [1310-73-2, 497-19-8]; **Melting Point:** 318°C; **Boiling Point:** 1390°C; **Density:** 2.13g/mL; **DOT Class 8:** Corrosive; **UN:** 1823



Sodium Lauryl Sulfate

NF/FC



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | S529-500 |
| 3kg | Poly Pail | S529-3 |

Powder; Sodium Dodecyl Sulfate, SDS, Dodecylsulfuric Acid Sodium Salt, Duponol™ C Dry; C₁₂H₂₅NaO₄S; CH₃(CH₂)₁₀CH₂OSO₃Na; CAS [151-21-3]; **Melting Point:** 204° to 207°C; **Flash Point:** 100°C; **DOT Class 4.1:** Flammable Solid; **UN:** 1325



Sodium Hydroxide 1N Concentrate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100mL | Poly Bottle | SS277 |

Concentrate; Caustic Soda Solution; CAS [1310-73-2, 7732-18-5]; **Melting Point:** >0°C; **DOT Class 8:** Corrosive; **UN:** 1824; 0.0995 to 0.1005N; For dilution to 0.1N; A volumetric standard solution, titrated at 25°C to pH 8.6 (phenolphthalein endpoint) against NIST™ potassium acid phthalate. Each bottle contains exact amount of 1N concentrate required to make 1 liter of 0.1N (N/10) solution.



Sodium Periodate



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC19838-0025 |

99%; INaO₄; NaIO₄; **F.W.** 213.89; CAS [7790-28-5]; **Melting Point:** 300.0°C

Sodium Periodate

ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC41961-0025 |

≥99.8%; INaO₄; NaIO₄; **F.W.** 213.89; CAS [7790-28-5]; **Melting Point:** 300.0°C; **UN:** 3087

Sodium Hydroxide 10N Concentrate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100mL | Poly Bottle | SS267 |

Concentrate; Caustic Soda Solution; NaOH; CAS [1310-73-2, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; **DOT Class 8:** Corrosive; **UN:** 1824; 0.995 to 1.005N; For dilution to 1N or 0.1N; A volumetric standard solution, titrated at 25°C to pH 8.6 (phenolphthalein endpoint) against NIST™ potassium acid phthalate. Each bottle contains exact amount of 10N concentrate required to make 1 liter of 1N or 10 liters of 0.1N (N/10) solution.



Starch, Soluble

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | S516-100 |
| 500g | Glass Bottle | S516-500 |

Powder; C₆H₁₀O₅x; CAS [9005-84-9]; **Density:** 1.5g/mL; 5 to 7% (2% solution) For iodometry.



Sodium Hydroxide Solution, 0.1N



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 4L | Poly Bottle | MSX0607C3 |

Sodium Hydroxide Solution, 1.0N



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 1L | Poly Bottle | MSX0607H6 |
| 4L | Poly Bottle | MSX0607H3 |

CAS [1310-73-2]

Sodium Hydroxide Solution, 49 - 51%

Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 3.78L | Plastic Bottle | MSX05971 |

Clear Colorless Liquid; 49.0 to 51.0%; Titristar; **F.W.** 40

Succinic Acid

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | A294-500 |

Crystalline; 99.0 to 100.3%; Butanedioic Acid, Ethylene Dicarboxylic Acid, Amber Acid; C₄H₆O₄; HOOCCH₂CH₂COOH; **F.W.** 118.09; CAS [110-15-6]; **Melting Point:** 185° to 190°C (365° to 374°F); **Flash Point:** 206°C; **Boiling Point:** 235°C; **Density:** 1.56g/mL



Succinic Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10kg | Plastic Drum | AC15874-0100 |

99%; Butanedioic acid; C₄H₆O₄; HO₂CCH₂CH₂CO₂H; **F.W.** 118.09; CAS [110-15-6]; **Melting Point:** 185.0° to 190.0°C; **Flash Point:** 206°C; **Boiling Point:** 235.0°C

Succinic Acid

BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | 02004325 |

Powder; HOCOC₂H₂COOH; **F.W.** 118.09; CAS [110-15-6]; **Melting Point:** 185.0° to 191.0°C

Sulfamic Acid



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 100g | Plastic Bottle | MSX11401 |

Solid; 99.3 to 100.3%; Amidosulfonic Acid, Sulphamic Acid, Sulfamidic acid; H_2NO_2S ; HCH_2NSOCH_3H ; **FW.** 97.8; CAS [5329-14-6]; **Melting Point:** 25°C (decomposition); **Density:** 2.13g/cm³ (20°C)

Sulfanilamide

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | 04525-100 |

Granular; ≥98%; 4-Aminobenzenesulfonamide, P-Anilinesulfonamide; $C_6H_7N_2O_2S$; $4-NH_2C_6H_4SO_2NH_2$; **FW.** 172.21; CAS [63-74-1]; **Melting Point:** 163° to 167°C (325.4° to 332.6°F); **Density:** 1.08g/mL



Sulfuric Acid

Optima™



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 250mL | FEP Bottle | A468-250 |
| 500mL | FEP Bottle | A468-500 |
| 1L | FEP Bottle | A468-1 |
| 2L | FEP Bottle | A468-2 |

Liquid; Oil of Vitriol; H_2SO_4 ; **FW.** 98.07; CAS [7664-93-9]; **DOT Class 8:** Corrosive; **UN:** 1830; Certificate of Lot Analysis included with each bottle.



Ideal for analysis by ICP-MS and high-resolution ICP-MS. Evaluated for 65 metals at low-level ppt concentrations. Manufactured, purified, and packaged in a Class 1000 clean room. Packaged in specially cleaned Teflon FEP for PFA bottles to maintain product integrity and to eliminate metal leaching from glass bottles. Three-year shelf life from time of manufacture - available on COA. **Applications:** Trace metal analysis, preparing calibration solutions, sample digestion, and instrument or glassware pre-rinsing/cleaning.

Sulfuric Acid

TraceMetal™



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | HDPE Bottle | A510-P500 |
| 2.5L | HDPE Bottle | A510-P212 |

Liquid; Oil of Vitriol; H_2SO_4 ; **FW.** 98.08; CAS [7664-93-9]; **DOT Class 8:** Corrosive; **UN:** 1830; Certificate of Lot Analysis included with each shipment. Ideal for analysis by IC, GF or Flame



AA, ICP-OES and ICP-MS. Evaluated for 65 metals at <1 ppb concentrations. Manufactured, purified, and packaged in a Class 1000 clean room. Packaged in non-breakable polypropylene bottles to maintain product integrity and to eliminate metal leaching from glass bottles. Three-year shelf life from time of manufacture - available on COA. 45mm bottle neck size. **Applications:** Trace metal analysis, preparing calibration solutions, sample digestion, and instrument or glassware pre-rinsing/cleaning.

Sulfuric Acid

NF/FCC



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 2.5L | Glass Bottle | A484-212 |

95.0 to 98.0%; Oil of Vitriol; H_2SO_4 ; **FW.** 98.08; CAS [7664-93-9]; **Melting Point:** 10°C; **Boiling Point:** 290° to 338°C (554° to 640.4°F); **Density:** 3.38 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 1830; Soluble in water



Sulfuric Acid

Certified ACS Plus



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|-------------|
| 500mL | Glass Bottle | A300-500 |
| 500mL | Glass Bottle/Safe-Cote™ | A300S-500 |
| 2.5L | Glass Bottle | A300-212 |
| 2.5L | Glass Bottle/Safe-Cote™ | A300S-1212 |
| 6 × 2.5L | Glass Bottle | A300C-212 |
| 6 × 2.5L | Flint Glass Bottle/Safe-Cote™ | A300-S212 |
| 6.5 gal. | Glass Bottle | A300-612GAL |

95.0 to 98.0% w/w; H_2SO_4 ; **FW.** 98.08; CAS [7664-93-9]; **Melting Point:** 10°C; **Boiling Point:** 290° to 338°C (554° to 640.4°F); **Density:** 3.38 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 1830



Suitable for cholesterol determination in regular and "N" methods.

Sulfuric Acid

ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 2.5L | SAFEMOR | MK5557212 |

Liquid; H_2SO_4 ; **FW.** 98.08; CAS [7664-93-9]

Sulfuric Acid

BAKER INSTRA-ANALYZED™ Plus



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | 02004380 |
| 2.5L | Poly Bottle | 02004373 |

Meets ACS Reagent Chemical Requirements; H_2SO_4 ; **FW.** 98.08; CAS [7664-93-9]

Sulfuric Acid

BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|----------|
| 2.5L | Clear Glass Bottle | 02004375 |
| 2.5L | Clear PVC-Coated Glass Bottle | 02004377 |

H_2SO_4 ; **FW.** 98.08; CAS [7664-93-9]

Sulfuric Acid

ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | MSX12446 |
| 2.5L | Glass Bottle | MSX12445 |

96%; H_2O_4S ; H_2SO_4 ; **FW.** 98.8; CAS [7664-93-9]; **Melting Point:** -2°C; **Boiling Point:** 335°C; **Density:** 1.84g/cm³ (20°C); Suprapur™

Sulfuric Acid

ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 2.5L | Clear Glass Bottle | LC255503 |

Liquid; 95.0 to 98.0% w/w; H_2SO_4 ; **FW.** 98.08; CAS [7664-93-9]; **Melting Point:** 10°C; **Boiling Point:** 288°C; **Density:** 1840kg/m³; **DOT Class 8:** Corrosive; **UN:** 1830

Sulfuric Acid

Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 2.5L | Glass Bottle | A298-212 |

93 to 98%; Oil of Vitriol; H_2SO_4 ; **FW.** 98.08; CAS [7664-93-9]; **Melting Point:** 10°C; **Boiling Point:** 290° to 338°C (554° to 640.4°F); **Density:** 3.38 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 1830



Sulfuric Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 2.5L | Glass Bottle | SA174-212 |
| 4L | Poly Bottle | SA174-4 |

90.5 to 93.0%; Oil of Vitriol; H₂SO₄; F.W. 98.08; CAS [7664-93-9]; **Melting Point:** 10°C; **Boiling Point:** 290° to 338°C (554° to 640.4°F); **Density:** 3.38 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 1830
For Babcock Milk Test



Sulfuric Acid



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | SA176-4 |

91.0 to 92.25%; Oil of Vitriol; H₂SO₄; CAS [7664-93-9]; **Melting Point:** 10°C; **Boiling Point:** 290° to 338°C (554° to 640.4°F); **Density:** 3.38 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 1830; Gerber



Sulfuric Acid

Environmental Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 2.5L | ---- | AA38751K4 |

Liquid; 93 to 98%; H₂SO₄; F.W. 98.08; CAS [7664-93-9]; **Density:** 1.184g/cm³ at 20°C; **UN:** 1830; Colorless to Pale Yellow

Sulfuric Acid

Textile



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | SA170-4 |

69.0 to 71.0%; H₂SO₄; F.W. 98.08; CAS [7732-18-5, 7664-93-9]; **Melting Point:** 10°C; **Boiling Point:** 290° to 338°C; **Density:** 1.6g/mL; **DOT Class 8:** Corrosive; **UN:** 1830



Sulfuric Acid

Extra Pure

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500g | Glass Bottle | AC41997-5000 |

Oleum; H₂O.S-SO₃; H₂SO₄.SO₃; F.W. 178.14; CAS [8014-95-7, 7446-11-9]; **Melting Point:** 2.0°C; **Boiling Point:** 138.0°C; **Density:** 1.9200g/mL; **UN:** 1831

Sulfuric Acid, 20% Fuming

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4 x 500g | ---- | AA4554357 |

Liquid; 20% fuming, 18-24% free SO₃; Oleum; H₂SO₄ + SO₃; CAS [8014-95-7]; **Density:** 1.9

Sulfuric Acid Concentrate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100mL | Glass Bottle | SA213 |

Concentrate; Oil of Vitriol; H₂SO₄; CAS [7664-93-9, 7732-18-5]; **Melting Point:** 11°C; **Boiling Point:** 105° to 325°C; **Density:** 1.1g/mL; **DOT Class 8:** Corrosive; **UN:** 2796; 0.995 to 1.005N; Each bottle contains exact amount of 10N concentrate required to make 1 liter of 1N or 10 liters of 0.1N (N/10) solution.



Sulfurous Acid

ACS Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|-----------|-----------|-----------|
| 4 x 500mL | ---- | AA33275AY |

Liquid; Sulfur Dioxide Solution; H₂SO₃; F.W. 82.08; CAS [7782-99-2]; **Density:** 1.03g/cm at 20°C; **UN:** 1833; Colorless

Sulfurous Acid

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | A307-1 |

Sulfur Dioxide Solution; H₂SO₃; CAS [7782-99-2]; **Density:** 1.03g/mL; **DOT Class 8:** Corrosive; **UN:** 1833



Tannic Acid

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA3641022 |

C₇₆H₅₂O₄₆; F.W. 1701.23; CAS [1401-55-4]

1,1,2,2-Tetrachloroethane-D2



| Quantity | Packaging | Cat. No. |
|----------|--------------|-------------|
| 25mL | Glass Bottle | M1034950025 |

Liquid; 99.5% min.; Acetylene tetrachloride, 1,2-Dideutero-1,1,2,2-tetrachloroethane; C₂D₂Cl₄; F.W. 169.86; CAS [33685-54-0]; **Melting Point:** -36°C (-33°F); **Boiling Point:** 146°C (295°F); **Density:** 1.595g/cm³ at 20°C (68°F); **UN:** 1702; Colorless; For NMR spectroscopy

Tetramethylammonium Hydroxide

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC13835-0025 |

C₄H₁₃NO; (CH₃)₄NOH; F.W. 91.15; CAS [75-59-2, 67-56-1]; **Melting Point:** -98.0°C; **Flash Point:** 6°C; **Boiling Point:** 65.0°C; **Density:** 0.9000g/mL; **UN:** 3286

Tin

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | T123-500 |

Mossy; Sn; F.W. 118.71; CAS [7440-31-5]; **Melting Point:** 231.9°C; **Boiling Point:** 2507°C; **Density:** 7.31g/mL; **Atomic Weight:** 118.69



Toluene

Scintanalyzed™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | T313-4 |

≥99.5%; Methylbenzene, Toluol, Phenyl Methane; C₆H₅CH₃; F.W. 92.14; CAS [108-88-3]; **Melting Point:** -95°C (-139°F); **Flash Point:** 4°C; **Boiling Point:** 110.6°C; **Density:** 3.1 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1294; Also meets ACS specifications



p-Toluenesulfonic Acid Monohydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | A320-500 |

Crystalline; $C_7H_8O_3S \cdot H_2O$; $CH_3C_6H_4SO_3H \cdot H_2O$; **F.W.** 190.22; CAS [6192-52-5]; **Melting Point:** 103°C; **Boiling Point:** 140°C at 20 mmHg; **DOT Class 8:** Corrosive; **UN:** 2585

ChemAlert® Storage Code
WHITE

Trichloroacetic Acid Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | A322-100 |
| 500g | Glass Bottle | A322-500 |
| 3kg | Glass Bottle | A322-3 |

Crystalline; $\geq 99.0\%$; TCA; $C_2HCl_3O_2$; CCl_3COOH ; **F.W.** 163.39; CAS [76-03-9]; **Melting Point:** 52° to 58°C (125.6° to 136.4°F); **Boiling Point:** 196°C; **Density:** 5.6 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 1839

ChemAlert® Storage Code
WHITE

Trichloroacetic Acid Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | A324-500 |
| 3kg | Glass Bottle | A324-3 |

Crystalline; $\geq 99.0\%$; TCA; $C_2HCl_3O_2$; CCl_3COOH ; **F.W.** 163.39; CAS [76-03-9]; **Melting Point:** 52° to 58°C (125.6° to 136.4°F); **Boiling Point:** 196°C; **Density:** 5.6 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 1839;

ChemAlert® Storage Code
WHITE

Trichloroacetic Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | SA433-500 |

99.5 to 101.0%; Cl_3CCOOH ; **F.W.** 163.39; CAS [76-03-9]; 7732-18-5]; **Melting Point:** 54° to 58°C; **Boiling Point:** 196°C; **Density:** 1.62g/mL; **DOT Class 8:** Corrosive; **UN:** 2564

ChemAlert® Storage Code
WHITE

Trichloroacetic Acid ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5kg | Glass Bottle | AC42145-0025 |

$\geq 99\%$; TCA; $C_2HCl_3O_2$; CCl_3CO_2H ; **F.W.** 163.39; CAS [76-03-9]; **Melting Point:** 52.0° to 58.0°C; **Boiling Point:** 196.0°C; **Density:** 1.6200g/mL; **UN:** 1839

Trifluoroacetic Acid Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100mL | Glass Bottle | 04902-100 |

$\geq 98.5\%$; $C_2HF_3O_2$; CF_3COOH ; **F.W.** 114.02; CAS [76-05-1]; **Melting Point:** -15°C (5°F); **Boiling Point:** 72°C; **Density:** 3.9 (Air=1.0); **DOT Class 8:** Corrosive; **UN:** 2699

For Peptide and Protein Analysis; Solubility in water: miscible

ChemAlert® Storage Code
WHITE

Trifluoroacetic Acid Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | 04901-500 |

$\geq 97\%$; TFA; $C_2HF_3O_2$; CF_3COOH ; **F.W.** 114.02; CAS [76-05-1]; **Melting Point:** -15°C (5°F); **Boiling Point:** 72°C; **Density:** 3.9 (Air=1.0); **DOT Class 8:** Corrosive; **UN:** 2699

ChemAlert® Storage Code
WHITE

Trifluoroacetic Acid Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10kg | Plastic Drum | AC13972-0100 |

99%; TFA; $C_2HF_3O_2$; CF_3CO_2H ; **F.W.** 114.02; CAS [76-05-1]; **Melting Point:** -15.0°C; **Boiling Point:** 72.0°C; **Density:** 1.5350g/mL; **UN:** 2699

Trifluoroacetic Acid HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 10 x 1mL | Glass Ampule | 02004494 |
| 70mL | Can | 02004497 |
| 500mL | Narrow Mouth Amber Glass Bottle | 02004495 |
| 900mL | Narrow Mouth Amber Glass Bottle | 02004498 |

F_3CCOOH ; **F.W.** 114.03; CAS [76-05-1]

Trifluoroacetic Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 250mL | Glass Bottle | MTX12766 |

Clear Colorless Liquid; 99.9% min.; TFA; $C_2HF_3O_2$; CF_3COOH ; **F.W.** 114.2; CAS [76-05-1]; **Melting Point:** -15°C (5°F); **Boiling Point:** 72°C (1013 hPa); **Density:** 1.48g/cm³ (20°C); For Protein Sequence Analysis

Trifluoroacetic Acid USP, NF



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 70mL | Glass Bottle | MTX12751 |
| 500g | Glass Bottle | MTX12753 |

Liquid; Perfluoroacetic Acid, TFA; CF_3COOH ; **F.W.** 114.2; CAS [76-05-1]; **Melting Point:** -15.34°C (4.4°F); **Boiling Point:** 72.46°C (162.4°F)

Trifluoroacetic Acid, 99%



| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 100g | ---- | AAA1219822 |
| 500g | ---- | AAA1219836 |

Liquid; 99%; CF_3CO_2H ; **F.W.** 114.02; CAS [76-05-1]; **Melting Point:** -15°C (5°F); **Boiling Point:** 72° to 73°C; **Density:** 1.480g/mL

Trifluoroacetic Acid, 99%



| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500mL | ---- | AAL06374AP |

Liquid; 99%; CF_3CO_2H ; **F.W.** 114.02; CAS [76-05-1]; **Melting Point:** -15°C (5°F); **Boiling Point:** 72° to 73°C; **Density:** 1.480g/mL; Transport Hazard Class: 8

Trifluoroacetic Acid, 99% HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Glass Bottle | AC43229-5000 |

$\geq 99\%$; TFA; $C_2HF_3O_2$; CF_3CO_2H ; **F.W.** 114.02; CAS [76-05-1]; **Melting Point:** -15.0°C; **Boiling Point:** 72.0°C; **Density:** 1.5350g/mL; **UN:** 2699

Trifluoroacetic Acid, 99.5%

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|--|-----------|-----------|
| 500g | ---- | AA3177136 |
| CF ₃ CO ₂ H; FW. 114.02; CAS [76-05-1] | | |

Trifluoroacetic Acid, >99.5%

HPLC Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|-----------|-----------|-----------|
| 100mL | ---- | AA44630AE |
| 4 x 100mL | ---- | AA446305Y |
| 500mL | ---- | AA44630AP |
| 4 x 500mL | ---- | AA44630AY |

Liquid; >99.5%; CF₃CO₂H; **FW.** 114.02; **CAS** [76-05-1];
Melting Point: -15°C (5°F); **Boiling Point:** 72° to 73°C;
Density: 1.48g/cm³ at 20°C; **UN:** 2699; Colorless

Tris (Tromethamine)

USP



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | T393-500 |
| 2.5kg | Poly Bottle | T393-212 |
| 12kg | Poly Pail | T393-12 |

Granular; Trishydroxymethylaminomethane, Tris Buffer, Tris, THAM™, Trizma™; (CH₂OH)₃CNH₂; H₂NC(CH₂OH)₃; **FW.** 121.14; **CAS** [77-86-1]; **Melting Point:** 171.2° to 172.3°C;
Boiling Point: 219° to 220°C at 10 mmHg;
pH: 10.0 to 11.5 (USP)



Tris(hydroxymethyl)aminomethane

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | T395-100 |
| 500g | Poly Bottle | T395-500 |
| 1kg | Poly Bottle | T395-1 |

Crystalline; 99.8 to 100.1%;
 2-Amino-2-(hydroxymethyl)-1,3-propanediol, Trimethylol Aminomethane, Tris Buffer, Tris, Trizma™; (CH₂OH)₃CNH₂; H₂NC(CH₂OH)₃; **FW.** 121.14; **CAS** [77-86-1];
Melting Point: 171.2° to 172.3°C;
Boiling Point: 219° to 220°C at 10 mmHg; **pH:** 10.3 to 10.5 (0.5 Molar);
 Alkalimetric standard.



Tris(hydroxymethyl)aminomethane

Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | T370-500 |
| 3kg | Poly Pail | T370-3 |

Crystalline; THAM*, 2-Amino-2-(hydroxymethyl)-1,3-Propanediol Trimethylol Aminomethane, Trizma™; (CH₂OH)₃CNH₂; H₂NC(CH₂OH)₃; **FW.** 121.14; **CAS** [77-86-1];
Melting Point: 171.2° to 172.3°C;
Boiling Point: 219° to 220°C at 10 mmHg



Tris(hydroxymethyl)aminomethane Hydrochloride

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | 04997-100 |

Crystalline; ≥95%; 2-Amino-2-(hydroxymethyl)-1,3-propanediol Hydrochloride, Tris Hydrochloride; C₄H₁₁NO₃·HCl; NH₂C(CH₂OH)₃·HCl; **FW.** 157.6; **CAS** [1185-53-1];
Melting Point: 150° to 153°C (302° to 307.4°F)



Triton™ X-100 Wetting Agent



| Quantity | Packaging | Cat. No. |
|--|---------------------|----------|
| 500mL | Poly Natural Bottle | 8698516 |
| Viscous, Colorless Liquid; CAS [9002-93-1]; Melting Point: 6°C; Boiling Point: 270°C | | |

Triton™ X-100



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 250mL | Plastic Drum | AC21568-2500 |
| 1L | Plastic Drum | AC21568-0010 |
| 10L | Plastic Drum | AC21568-0100 |

C₂₄H₆₂O₁₁; **FW.** 646.85; **CAS** [9002-93-1]; **Melting Point:** 6.0°C;
Flash Point: 274°C; **Boiling Point:** 270.0°C; **Density:** 1.0670g/mL;
UN: 3082

Triton™ X-100

Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC262801 |

Liquid; C₁₈H₃₈O₈; **FW.** 294.43; **CAS** [9036-19-5]; **Flash Point:** 110°C;
Boiling Point: 177°C; **Density:** 1050kg/m³;
 Clear Colorless to Slight Tan Solution; Wetting Agent

Tween™ 20



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 250mL | Glass Bottle | AC23336-2500 |
| 1L | Glass Bottle | AC23336-0010 |

Polyoxyethylene(20)sorbitan monolaurate; **CAS** [9005-64-5];
Flash Point: >150°C; **Boiling Point:** >100.0°C; **Density:** 1.1000g/mL;

Tween™ 80



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | T164-500 |

Polyoxyethylene (20), Polysorbate (80); **CAS** [9005-65-6];
Flash Point: 110°C; **Density:** >1.0



Xylenes

Scintanalyzed™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | X16-4 |

≥98.5%; Xylol, Dimethylbenzene; C₈H₁₀; C₆H₄(CH₃)₂;
FW. 106.17; **CAS** [1330-20-7, 100-41-4];
Melting Point: -34°C (-29.2°F);
Flash Point: 25.6°C (78.1°F);
Boiling Point: 136° to 140°C (276.8° to 284°F);
Density: 3.66 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1307;
 Also meets ACS specifications



Zinc

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | Z15-500 |
| 3kg | Poly Bottle | Z15-3 |

Granular; ≥99.8%; Zn; **FW.** 65.41; **CAS** [7440-66-6];
Melting Point: 419°C; **Boiling Point:** 908°C;
Density: 7.14g/mL; **Atomic Weight:** 65.37; 20 Mesh;
 Low in Arsenic, Iron and Lead.



Zinc Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | Z16-500 |

Granular; $\geq 99.8\%$; Zn; F.W. 65.41; CAS [7440-66-6];
Melting Point: 419°C; **Boiling Point:** 908°C; **Density:** 7.14g/mL;
Atomic Weight: 65.37; 30 Mesh;
 Low in Arsenic, Iron and Lead.

| |
|----------------------------|
| ChemAlert® Storage Code |
| GRAY |

Zinc Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | Z11-500 |

Mossy; $\geq 99.8\%$; Zn; F.W. 65.41; CAS [7440-66-6];
Melting Point: 419°C; **Boiling Point:** 908°C; **Density:** 7.14g/mL;
Atomic Weight: 65.37
 Low in arsenic, iron and lead.

| |
|----------------------------|
| ChemAlert® Storage Code |
| GRAY |

Zinc Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | Z5-500 |

Powder; $\geq 97\%$; Zinc Dust; Zn; F.W. 65.41; CAS [7440-66-6];
Melting Point: 419°C; **Boiling Point:** 908°C;
Density: 7.14g/mL; **DOT Class 4.3:** Dangerous When Wet;
UN: 1436; **Atomic Weight:** 65.37

| |
|----------------------------|
| ChemAlert® Storage Code |
| RED |

Zinc

ACROS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25kg | Plastic Drum | AC19834-0250 |

Very Fine Gray Powder; 98+%; Zn; F.W. 65.38;
 CAS [7440-66-6, 1314-13-2]; **Melting Point:** 419°C;
Boiling Point: 906.0°C; **Density:** 7.1400g/mL; **UN:** 3077



Alfa Aesar



A Thermo Fisher Scientific Brand

Better Together

By combining more than 90,000 **Alfa Aesar** products with the **Acros Organics™** line, we've expanded our portfolio of organics and inorganics to more than 130,000 products.

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Acetaldehyde

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100mL | ---- | AA33244AE |

Liquid; 98.5%; CH_3CHO ; **FW.** 44.06; **CAS** [75-07-0];
Melting Point: -128°C ; **Flash Point:** -27° (-17°F); **Boiling Point:** 20.8°C ;
Density: 0.780g/mL; **Transport Hazard Class:** 3; **UN:** 1715

4-Acetamidobenzenesulfonyl Azide

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC44380-0250 |

97%; $\text{C}_8\text{H}_8\text{N}_4\text{O}_3\text{S}$; **FW.** 240.24; **CAS** [86386-73-4];
Melting Point: 107° to 111°C

Acetic Anhydride

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100mL | Glass Bottle | A10-100 |
| 500mL | Glass Bottle | A10-500 |
| 1L | Glass Bottle | A10-1 |
| 4L | Glass Bottle | A10-4 |

$\geq 97.0\%$; Acetyl Oxide, Acetic Oxide; $\text{C}_4\text{H}_6\text{O}_5$; $(\text{CH}_3\text{CO})_2\text{O}$;
FW. 102.09; **CAS** [108-24-7]; **Melting Point:** -73.1°C ;
Flash Point: 53°C ; **Boiling Point:** 137°C ; **Density:** 1.08g/mL;
DOT Class 8: Corrosive; **UN:** 1715

ChemAlert
Storage Code
RED

Acetophenone

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A22-500 |

Methyl Phenyl Ketone, 1-Phenylethanone, Hyponone; $\text{C}_8\text{H}_8\text{O}$;
 $\text{CH}_3\text{COC}_6\text{H}_5$; **FW.** 120.15; **CAS** [98-86-2]; **Melting Point:** 19.6°C ;
Flash Point: 77°C ; **Boiling Point:** 202°C ; **Density:** 4.12 (Air=1.0)

ChemAlert
Storage Code
GRAY

Acetyl Acetone

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A25-500 |

2,4-Pentanedione, Diacetylmethane, Acetylpropionyl; $\text{C}_5\text{H}_8\text{O}_2$;
 $\text{CH}_3\text{COCH}_2\text{COCH}_3$; **FW.** 100.12; **CAS** [123-54-6];
Melting Point: -23°C ; **Flash Point:** 33°C ;
Boiling Point: 139° to 141°C ; **Density:** 0.97g/mL;
DOT Class 3: Flammable Liquid; **UN:** 2310

ChemAlert
Storage Code
RED

Acetyl Chloride

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 250mL | Amber Glass Bottle | A27-250 |

$\geq 98\%$; Ethanoyl Chloride; $\text{C}_2\text{H}_3\text{ClO}$; CH_3COCl ; **FW.** 78.5;
CAS [75-36-5]; **Melting Point:** -112°C (-170°F);
Flash Point: 4°C ; **Boiling Point:** 51°C ; **Density:** 2.7 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1717

ChemAlert
Storage Code
RED

N-Acetyl-D-glucosamine

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 50g | ---- | AAA1304718 |

$\geq 98\%$; $\text{C}_8\text{H}_{15}\text{NO}_6$; **FW.** 221.21; **CAS** [7512-17-6]; **Melting Point:** ca 211°C dec.

Acryloyl Chloride

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 10g | ---- | AAL1036309 |

96%; Propenoyl Chloride; $\text{C}_3\text{H}_3\text{ClO}$; $\text{CH}_2=\text{CHCOCl}$; **FW.** 90.51;
CAS [814-68-6]; **Flash Point:** -4°C (24°F); **Boiling Point:** 74° to 76°C ;
Transport Hazard Class: 6.1; **UN:** 3383

Allyl Alcohol

Extra Pure

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5L | Glass Bottle | AC10286-0025 |

99%; 2-Propen-1-ol; $\text{C}_3\text{H}_6\text{O}$; $\text{H}_2\text{C}=\text{CHCH}_2\text{OH}$; **FW.** 58.08; **CAS** [107-18-6];
Melting Point: -129.0°C ; **Flash Point:** 21°C ;
Boiling Point: 96.0° to 98.0°C ; **Density:** 0.8500g/mL; **UN:** 1098

Allyl Bromide

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 5L | Plastic Bottle | AC10290-0050 |

99%; 3-Bromopropene; $\text{C}_3\text{H}_5\text{Br}$; $\text{H}_2\text{C}=\text{CHCH}_2\text{Br}$; **FW.** 120.98;
CAS [106-95-6, 75-56-9]; **Melting Point:** -119.0°C ; **Flash Point:** -1°C ;
Boiling Point: 70.0° to 71.0°C ; **Density:** 1.3900g/mL; **UN:** 1099

Allyl Iodide

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Glass Bottle | AC21854-5000 |

98%; 3-Iodopropene; $\text{C}_3\text{H}_5\text{I}$; $\text{H}_2\text{C}=\text{CHCH}_2\text{I}$; **FW.** 167.98; **CAS** [556-56-9];
Melting Point: -99.0°C ; **Flash Point:** 18°C ;
Boiling Point: 102.0° to 103.0°C ; **Density:** 1.8300g/mL

Allylbenzene

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Glass Bottle | AC10289-5000 |

98%; 3-Phenyl-1-propene; C_9H_{10} ; $\text{C}_6\text{H}_5\text{CH}_2\text{CH}=\text{CH}_2$; **FW.** 118.18;
CAS [300-57-2]; **Flash Point:** 33°C ; **Boiling Point:** 156.0° to 157.0°C ;
Density: 0.8900g/mL

2-Aminopyridine Hydrochloride

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC44861-0050 |

97%; $\text{C}_5\text{H}_7\text{N}_3\text{ClH}$; **FW.** 157.60; **CAS** [51285-26-8];
Melting Point: 146.0°C to 148.0°C

4-Aminoantipyrine

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | 01123-100 |

Crystalline; $\geq 98\%$; Ampyrone; $\text{C}_{11}\text{H}_{13}\text{N}_3\text{O}$;
 $\text{CH}_3\text{NN}(\text{C}_6\text{H}_5)\text{COC}(\text{NH}_2)\text{CCH}_3$; **FW.** 203.25; **CAS** [83-07-8];
Melting Point: 107.5° to 109°C ;

ChemAlert
Storage Code
GRAY

3-Amino-1-bromoisoquinoline

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC44916-0050 |

97%; $\text{C}_9\text{H}_7\text{BrN}_2$; **FW.** 223.07; **CAS** [13130-79-5];
Melting Point: 144.0°C to 146.0°C

(R)-(-)-2-Aminobutane

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAL0388906 |

99%; (R)-(-)-2-Butylamine, (R)-(-)-1-Methylpropylamine; C₄H₁₁N;
FW. 73.14; CAS [13250-12-9]; **Flash Point:** -19°C (-2°F);
Boiling Point: 63°C; **Transport Hazard Class:** 3; **UN:** 2733

4-Amino-2-chlorobenzonitrile

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 100g | ---- | AAL1592422 |

3-Chloro-4-cyanoaniline; C₇H₅ClN₂; **FW.** 152.58; CAS [20925-27-3];
Melting Point: 116° to 119°C; **Transport Hazard Class:** 6.1; **UN:** 3439

2-Amino-4-cyanopyridine

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAL1984114 |

97%; 2-Aminoisonicotinonitrile, 4-Cyano-2-pyridinamine; C₆H₅N₃;
FW. 119.13; CAS [42182-27-4]; **Melting Point:** 148° to 152°C;
Transport Hazard Class: 6.1; **Packing Group:** III; **UN:** 3439

(R)-4-(1-Aminoethyl)phenol

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAH6300106 |

Solid; 97%; (R)-1-(4-Hydroxyphenyl)ethylamine; C₉H₁₁NO;
FW. 137.18; CAS [134855-89-3]; **UN:** 3259; White

(S)-(+)-2-Amino-3-methyl-1-butanolACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25mL | Glass Bottle | AC18159-0250 |

96%; L-Valinol; C₅H₁₃NO; (CH₃)₂CHCH(NH₂)CH₂OH; **FW.** 103.16;
CAS [2026-48-4]; **Melting Point:** 30.0° to 32.0°C; **Flash Point:** 91°C;
Boiling Point: 81.0°C (8.0mmHg); **Density:** 0.9200g/mL; **UN:** 3259

3-AminomethyltetrahydrofuranACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1g | Glass Bottle | AC43300-0010 |

97%; C₅H₁₁NO; **FW.** 101.15; CAS [165253-31-6];
Boiling Point: 65.0°C (15.0 Torr); **UN:** 2924

2-Amino-1,3-propanediolACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC40103-0250 |

White to off-white adhering crystalline powder; 98%; Serinol;
C₃H₉NO₂; NH₂CH(CH₂OH)₂; **FW.** 91.11; CAS [534-03-2];
Melting Point: 52.0° to 56.0°C; **Flash Point:** >110°C;
Boiling Point: 115.0° to 116.0°C; **UN:** 3259

Ammonium Citrate Dibasic

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | A663-500 |
| 2.5kg | Glass Bottle | A663-212 |

Crystalline; 98.0 to 103.0%;
Citric Acid Diammonium Salt, Diammonium Citrate;
(NH₄)₂C₆H₆O₇; (NH₄)₂O₂CCH₂C(OH)(CO₂H)CH₂CO₂; **FW.** 226.19;
CAS [3012-65-5]; **Density:** 1.5g/mL

ChemAlert®
Storage Code
GRAY**Ammonium Formate**

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A666-500 |

Crystalline; 97 to 103%; Formic Acid Ammonium Salt;
NH₄COOH; HCOONH₄; **FW.** 63.06; CAS [540-69-2];
Melting Point: 115° to 120°C (239° to 248°F);
Boiling Point: 180°C; **Density:** 1.28g/mL

ChemAlert®
Storage Code
GRAY**Ammonium Oxalate Monohydrate**

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A679-500 |

Crystalline; 99.0 to 101.0%;
Ethanedioc Acid, Diammonium Salt Monohydrate;
C₂H₈N₂O₄·H₂O; (NH₄)D(O)CC(O)(NH₄)·H₂O; **FW.** 142.11;
CAS [6009-70-7]; **Melting Point:** 70°C; **Density:** 1.5g/mL;
DOT Class 6.1: Poison; **UN:** 2811

ChemAlert®
Storage Code
BLUE**Amyl Acetate**

Laboratory Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A718-500 |
| 4L | Poly Bottle | A718-4 |

Pentyl Acetate, Pentacetate; C₇H₁₄O₂;
CH₃(CH₂)₄OC(O)CH₃; **FW.** 130.19; CAS [628-63-7];
Melting Point: -70.8°C; **Flash Point:** 40°C;
Boiling Point: 149°C; **Density:** 0.87g/mL;
DOT Class 3: Flammable Liquid; **UN:** 1104

SOLVENT

ChemAlert®
Storage Code
RED**n-Amyl Alcohol**

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A394-500 |
| 4L | Glass Bottle | A394-4 |

>98.0%; 1-Pentyl Alcohol, 1-Pentanol; C₅H₁₂O;
CH₃(CH₂)₄OH; **FW.** 88.15; CAS [71-41-0];
Melting Point: -78°C; **Flash Point:** 48°C;
Boiling Point: 137° to 139°C; **Density:** 0.81g/mL;
DOT Class 3: Flammable Liquid; **UN:** 1105

SOLVENT

ChemAlert®
Storage Code
RED**tert-Amyl Alcohol**

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | A730-1 |

Amylene Hydrate, tert-Pentyl Alcohol,
2-Methyl-2-Butanol, tert-Pentanol, Dimethyl Ethyl
Carbinol; C₅H₁₂O; (CH₃)₂COHC₂H₅; **FW.** 88.15;
CAS [75-85-4]; **Melting Point:** -12°C
Flash Point: 20°C; **Boiling Point:** 102°C; **Density:** 0.8g/mL;
DOT Class 3: Flammable Liquid; **UN:** 1105

SOLVENT

ChemAlert®
Storage Code
RED**Aniline**

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | A740I-500 |
| 4L | Glass Bottle | A740I-4 |

Phenylamine, Aminobenzene, Benzenamine; C₆H₇N; C₆H₅NH₂;
FW. 93.13; CAS [62-53-3]; **Flash Point:** 76°C;
Density: 3.3 (Air = 1.0); **DOT Class 6.1:** Poison; **UN:** 1547
This product darkens to a reddish-brown color on storage.

ChemAlert®
Storage Code
BLUE

Anthrone Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC40136-1000 |

95%; 9(10H)-Anthracenone, 9,10-Dihydro-9-oxoanthracene; C₁₄H₁₀O;
FW. 194.23; **CAS** [90-44-8]; **Melting Point:** 152.0° to 157.0°C;
Boiling Point: 721.0°C

Anthrone ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC10496-5000 |

9(10H)-Anthracenone, 9,10-Dihydro-9-oxoanthracene; C₁₄H₁₀O;
FW. 194.23; **CAS** [90-44-8]; **Melting Point:** 152.0° to 157.0°C;
Boiling Point: 721.0°C

L(+)-Arabinose

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 250g | ---- | AAA1192130 |

99%; C₅H₁₀O₅; **FW.** 150.13; **CAS** [87-72-9]; **Melting Point:** 156° to 160°C

L(+)-Arabinose Biochemical Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 25g | Plastic Bottle | AC36518-0250 |
| 100g | Plastic Bottle | AC36518-1000 |
| 500g | Plastic Bottle | AC36518-5000 |

99%; C₅H₁₀O₅; **FW.** 150.13; **CAS** [87-72-9]; **Melting Point:** 155.0° to 160.0°C

L(+)-Arginine Hydrochloride



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC10500-0025 |

≥98%; C₆H₁₄N₄O₂·HCl; H₂NC(=NH)NH(CH₂)₃CH(NH₂)CO₂H·HCl;
FW. 210.67; **CAS** [1119-34-2]; **Melting Point:** 226.0°C

Ascorbic Acid USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A62-500 |
| 2.5kg | Poly Bottle | A62-212 |

Powder; Vitamin C, L-Ascorbic Acid; C₆H₈O₆;
 CH₂OHCHOHCHCOH:COHCOO; **FW.** 176.13; **CAS** [50-81-7];
Melting Point: 190°C; **Density:** 1.65g/mL;
 Not for human use.



L-Ascorbic Acid Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | A61-25 |
| 100g | Glass Bottle | A61-100 |

Crystalline; ≥99.0 %; Vitamin C, Ascorbic Acid; C₆H₈O₆;
 CH₂OHCHOHCHCOH:COHCOO; **FW.** 176.13; **CAS** [50-81-7];
Melting Point: 190°C; **Density:** 1.65g/mL;
 Not for human use.



L-Ascorbic Acid ACS Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA3623736 |

Powder; >99%; Vitamin C; C₆H₈O₆; **FW.** 176.12; **CAS** [50-81-7];
Melting Point: 191°C; **Density:** 1.65g/mL

L-(+)-Ascorbic Acid

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA1118836 |

Powder; ≥98%; Vitamin C; C₆H₈O₆; **FW.** 176.12; **CAS** [50-81-7];
Melting Point: ≈191°C (dec.); **Density:** 1.65g/mL

Azidotri-n-butyltin(IV)

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAH5563414 |

95%; C₁₂H₂₇N₃Sn; [CH₃(CH₂)₃]₃SnN₃; **FW.** 332.06; **CAS** [17846-68-3];
Flash Point: 113°C (235°F); **Transport Hazard Class:** 6.1; **UN:** 2788

2,2'-Azobis(2-methylpropionamide) Dihydrochloride



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 50g | Plastic Bottle | AC40156-0500 |

98%; 2,2'-Azobis(isobutyramidine) Dihydrochloride, 2,2'-Azobis
 (2-amidinopropane) Dihydrochloride, AAPH; C₈H₁₆N₂·2HCl; **FW.** 271.19;
CAS [2997-92-4]; **UN:** 3226

Barium Diphenylamine Sulfonate Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | B38-25 |

Powder; N-Phenylsulfanilic Acid Barium Salt,
 p-Diphenylaminesulfonic Acid Barium Salt; C₂₄H₂₀BaN₂O₆S₂;
 Ba(C₆H₅NHC₆H₄SO₃)₂;
FW. 633.9; **CAS** [6211-24-1]; **Melting Point:** 300°C (572°F);
DOT Class 6.1: Poison; **UN:** 1564; Oxidation-reduction indicator



Bentonite Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | B235-500 |

Powder; Wilkinite, Sodium Montmorillonite; **CAS** [1302-78-9];
 Sodium form.



Benzalkonium Chloride

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA4133922 |

C₁₂H₂₅CH₂N(CH₃)Cl; **CAS** [63449-41-2]

Benzeneboronic Acid, Polymer-supported

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAL1945914 |

4-Boronopolystyrene, Phenylboronic acid, polymer-supported;
 2.6 to 3.2mmol/g

Benzine (Petroleum Naphtha)



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 20L | Steel Pail | B264-20 |

Naphtha; C₅ to C₁₀ Hydrocarbons;
CAS [64742-89-8, 1330-20-7, 108-38-3, 100-41-4, 71-43-2];
Flash Point: 14°C;
Boiling Point: 118.5° to 140°C (245.3° to 284.9°F);
Density: 4.1 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1268



Benzyl Alcohol

NF



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A395-500 |
| 4L | Glass Bottle | A395-4 |

Benzenemethanol, Phenylcarbinol; C₇H₈O;
C₆H₅CH₂OH; **F.W.** 108.14; **CAS** [100-51-6];
Melting Point: -15°C (5°F); **Flash Point:** 96°C;
Boiling Point: 205°C; **Density:** 3.72 (Air = 1.0);



Benzophenone

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | B270-500 |

Crystalline Flakes; Diphenyl Ketone, Diphenylmethanone,
Benzoylbenzene; C₁₃H₁₀O; C₆H₅COC₆H₅; **F.W.** 182.22;
CAS [119-61-9]; **Melting Point:** 47° to 49°C (116.6° to 120.2°F);
Flash Point: 143°C; **Boiling Point:** 305°C; **Density:** 1.11g/mL



Benzotriazol-1-yloxytris(dimethylamino) Phosphonium Hexafluorophosphate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAH2660906 |

AOP, Tris(dimethylamino)[3H-1,2,3-triazolo [4,5-b]pyridin-3-yloxy]
Phosphonium Hexafluorophosphate; C₁₁H₂₁F₆N₃O₂P₂; **F.W.** 443.27;
CAS [156311-85-2]; **Melting Point:** ≈180°C

Benzoyl Chloride

Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC10575-0010 |
| 2.5L | Glass Bottle | AC10575-0025 |

99%; C₇H₅ClO; C₆H₅COCl; **F.W.** 140.57; **CAS** [98-88-4];
Melting Point: -1.0°C; **Flash Point:** 93°C; **Boiling Point:** 198.0°C;
Density: 1.2100g/mL; **UN:** 1736

Benzyl Alcohol



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | 16101407 |

Liquid; Benzenecarbinol, Benzenmethanol, Phenylcarbinol; C₇H₈O;
F.W. 108.14; **CAS** [100-51-6]; **Melting Point:** -15°C (5°F);
Flash Point: 93°C (200°F); **Boiling Point:** 205°C (401°F);
Density: 1.045g/mL at 25°C (77°F); Colorless, Clear;
General solvent use

Benzyl Alcohol

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A396-500 |
| 4L | Glass Bottle | A396-4 |

Benzenemethanol, Phenylcarbinol; C₇H₈O;
F.W. 108.14; **CAS** [100-51-6]; **Melting Point:** -15°C
(5°F); **Flash Point:** 96°C; **Boiling Point:** 205°C;
Density: 3.72 (Air = 1.0)



Benzyl Alcohol

NF



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | MK14031 |

C₆H₅CH₂OH; **F.W.** 108.14; **CAS** [100-51-6]

Benzyl Alcohol

ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100mL | Glass Bottle | AC44772-1000 |
| 1L | Glass Bottle | AC44772-0010 |
| 2.5L | Glass Bottle | AC44772-0025 |

Phenylmethanol; C₇H₈O; C₆H₅CH₂OH; **F.W.** 108.14; **CAS** [100-51-6];
Melting Point: -15.0°C; **Flash Point:** 96°C; **Boiling Point:** 205.0°C;
Density: 1.0440g/mL

Benzyl Azide

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 10g | ---- | AA3263509 |

Liquid; 94%; C₆H₅CH₂N₃; **F.W.** 133.15; **CAS** [622-79-7]; **Flash Point:** 43°C;
Boiling Point: 82-85°/16mm; **Density:** 1.0655g/mL

Benzyl Bromide

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 50g | ---- | AAA1353518 |

Liquid; 99%; C₇H₇Br; **F.W.** 171.04; **CAS** [100-39-0]; **Melting Point:** -4°C;
Flash Point: 87°C; **Boiling Point:** 198° to 199°C; **Density:** 1.438g/mL

Benzyloxyacetic Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC42708-0050 |

95%; C₉H₁₀O₃; C₆H₅CH₂OCH₂COOH; **F.W.** 166.18; **CAS** [30379-55-6];
Flash Point: 113°C; **Boiling Point:** 137.0° to 139.0°C (0.6mmHg);
Density: 1.1620g/mL;

4-Benzyloxyphenol

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 1000g | ---- | AAA148430B |

Hydroquinone Monobenzyl Ether, Monobenzene; C₁₃H₁₂O₂;
F.W. 200.24; **CAS** [103-16-2]; **Melting Point:** 118° to 122°C

D(+)-Biotin



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1g | Glass Bottle | AC23009-0010 |

98%; Vitamin H; C₁₀H₁₆N₂O₆S; **F.W.** 244.31; **CAS** [58-85-5];
Melting Point: 231.0°C to 233.0°C

D-(+)-Biotin

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|---|-----------|------------|
| 5g | ---- | AAA1420706 |
| ≥98%; C ₁₀ H ₁₆ N ₂ O ₃ S; FW. 244.32; CAS [58-85-5]; Melting Point: 228° to 232°C | | |

Biphenyl-4-sulfonic Acid Hydrate

Technical Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|---|-----------|------------|
| 250g | ---- | AAA1832330 |
| 85%; 4-Phenylbenzenesulfonic Acid Hydrate; C ₁₂ H ₁₀ O ₃ S·xH ₂ O; FW. 234.27 (Anhydrous); CAS [2113-68-0]; Melting Point: 134° to 138°C; Transport Hazard Class: 8; UN: 2585 | | |

(±)-2,2'-Bis(diphenylphosphino)-1,1'-binaphthyl

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|---|--------------|--------------|
| 100g | Glass Bottle | AC36864-1000 |
| White to light beige powder; 98%; (1)-BINAP; C ₂₄ H ₃₂ P ₂ ; FW. 622.69; CAS [98327-87-8]; Melting Point: 280° to 285°C | | |

[1,1'-Bis(diphenylphosphino)ferrocene]palladium(II) Chloride

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|--|-----------|-----------|
| 25g | ---- | AA4122514 |
| Powder; Dichloro [1,1'-bis (diphenylphosphino) ferrocene] palladium (II) dichloromethane Complex; C ₃₄ H ₂₈ Cl ₂ Fe ₂ Pd·CH ₂ Cl ₂ ; FW. 816.64; CAS [95464-05-4]; Melting Point: 275° to 280°C | | |

4,6-Bis(diphenylphosphino)phenoxazine

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|---|-----------|------------|
| 5g | ---- | AAH2733006 |
| NIXANTPHOS; C ₂₈ H ₂₇ NOP ₂ ; FW. 551.55; CAS [261733-18-0]; Melting Point: 251° to 254°C | | |

Bis(2-ethylhexyl) Phosphate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|--|-----------|-----------|
| 500g | ---- | AA1772336 |
| Liquid; 95%; DEHPA, Di(2-ethylhexyl)phosphoric Acid; C ₁₈ H ₃₅ O ₄ P; FW. 322.43; CAS [298-07-7]; Melting Point: -50°C; Flash Point: 171° (340°F); Boiling Point: 48°C (12mmHg); Density: 0.965g/mL; Transport Hazard Class: 8 For extraction of metals | | |

N,O-Bis(trimethylsilyl)trifluoroacetamide

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|--|--------------|--------------|
| 100g | Glass Bottle | AC16800-1000 |
| ≥98%; BSTFA; C ₈ H ₁₈ F ₃ NO ₂ Si ₂ ; CF ₃ C [=NSi(CH ₃) ₃ OSi(CH ₃) ₃]; FW. 257.39; CAS [25561-30-2]; Melting Point: -10.0°C; Flash Point: 23°C; Boiling Point: 45.0° to 50.0°C (14.0mmHg); Density: 0.9600g/mL; UN: 2920 | | |

Bis(tri-o-tolylphosphine)palladium(0)

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|---|-----------|-----------|
| 1g | ---- | AA4581403 |
| Crystalline; Pd 14.9%; C ₄₂ H ₄₂ P ₂ Pd; FW. 715.16; CAS [69861-71-8]; Melting Point: 220 to 225°C; Off-white to yellow | | |

1,3-Bis [tris(hydroxymethyl)amino]propane

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|---|--------------|--------------|
| 1kg | Glass Bottle | AC20264-0010 |
| 99%; C ₁₁ H ₂₈ N ₂ O ₆ ; CH ₂ (CH ₂ NHC(CH ₂ OH) ₃) ₂ ; FW. 282.33; CAS [64431-96-5]; Melting Point: 164.0° to 165.0°C | | |

2-(Boc-amino)-5-pyridinemethanol

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|---|-----------|------------|
| 5g | ---- | AAH5007706 |
| 97%; tert-Butyl (5-hydroxymethyl-2-pyridyl)carbamate; C ₁₁ H ₁₆ N ₂ O ₃ ; FW. 224.26; CAS [169280-83-5] | | |

BOC-Glycine N-hydroxysuccinimide Ester

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|---|----------------|--------------|
| 25g | Plastic Bottle | AC43670-0250 |
| White powder; 99%; C ₁₁ H ₁₆ N ₂ O ₆ ; FW. 272.26; CAS [3392-07-2]; Melting Point: 158.4° to 161.9°C | | |

N-BOC-4-oxo-L-proline

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|---|--------------|--------------|
| 5g | Glass Bottle | AC44928-0050 |
| 98%; C ₁₀ H ₁₅ NO ₅ ; FW. 229.23; CAS [84348-37-8]; Melting Point: 155.0°C to 163.0°C | | |

N-BOC-1,2,3,6-tetrahydropyridine-4-boronic Acid Pinacol Ester

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|--|--------------|--------------|
| 5g | Glass Bottle | AC45172-0050 |
| 97%; C ₁₆ H ₂₈ BNO ₄ ; FW. 309.21; CAS [286961-14-6]; Melting Point: 115.0° to 117.0°C | | |

Borane-tetrahydrofuran Complex

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|--|-----------|------------|
| 100mL | ---- | AAL13961AE |
| BTHF; C ₄ H ₁₁ BO; FW. 85.94; CAS [14044-65-6]; Flash Point: -21°C (-8°F); Transport Hazard Class: 4.3; UN: 3148; Recommended Storage: 2° to 8°C; 1M soln. in THF | | |

Bromoacetic Acid

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|---|--------------|--------------|
| 10kg | Plastic Drum | AC10657-0100 |
| 99%; C ₂ H ₃ BrO ₂ ; BrCH ₂ CO ₂ H; FW. 138.95; CAS [79-08-3]; Melting Point: 49.0° to 51.0°C; Flash Point: 113°C; Boiling Point: 208.0°C; Density: 1.9300g/mL; UN: 3425 | | |

Bromobenzene

Certified



| Quantity | Packaging | Cat. No. |
|--|--------------|----------|
| 1L | Glass Bottle | B253-1 |
| Monobromobenzene, Phenyl Bromide; C ₆ H ₅ Br; FW. 157.01; CAS [108-86-1]; Melting Point: -31°C; Flash Point: 51°C; Boiling Point: 155°C; Density: 5.41 (Air=1.0); DOT Class 3: Flammable Liquid; UN: 2514; | | |

ChemAlert! Storage Code RED

Bromobenzene

Pure

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10L | Plastic Drum | AC10668-0100 |

99%; Phenylbromide; C₆H₅Br; **FW**. 157.01; CAS [108-86-1];
Melting Point: -31.0°C; **Flash Point**: 51°C; **Boiling Point**: 156.0°C;
Density: 1.4900g/mL; **UN**: 2514

5-Bromo-1H-benzimidazole

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC45167-0250 |

97%; C₇H₅BrN₂; **FW**. 197.03; CAS [4887-88-1];
Melting Point: 130.0° to 134.0°C

1-Bromo-2-butyne

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC38702-0250 |

Clear pale yellow-greenish liquid; 98%; 2-Butynyl Bromide; C₄H₅Br;
 CH₃CCCH₂Br; **FW**. 132.99; CAS [3355-28-0]; **Flash Point**: 36°C;
Boiling Point: 40.0° to 41.0°C; **Density**: 1.4730g/mL; **UN**: 1993

Bromoethane

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500g | ---- | AAA1280436 |

98%; Ethyl Bromide; C₂H₅Br; BrCH₂CH₃; **FW**. 108.97; CAS [74-96-4];
Melting Point: -119°C; **Flash Point**: -23°C (-9°F);
Boiling Point: 37° to 39°C; **Transport Hazard Class**: 6.1; **UN**: 1891

4-Bromo-5-fluoro-2-methoxyaniline

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 1g | ---- | AAH5939703 |

96%; C₇H₇BrFNO; **FW**. 220.04; CAS [330794-03-1];
Transport Hazard Class: 6.1; **UN**: 2811

5-Bromo-3-fluoro-2-(trifluoromethyl)pyridine

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC45257-0050 |

97%; C₆H₂BrF₄N; **FW**. 243.98; CAS [1262412-30-5];
Boiling Point: 68.0° to 70.0°C (25.0 Torr)

4-Bromo-7-fluoroindole

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAH5458706 |

95%; C₈H₅BrFN; **FW**. 214.04; CAS [883500-66-1];
Melting Point: 24° to 25°C

1-Bromo-3-methyl-2-butene

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 50g | Glass Bottle | AC30741-0500 |

96%; 3,3-Dimethylallyl Bromide, Prenyl Bromide; C₅H₉Br;
 BrCH₂CH=C(CH₃)₂; **FW**. 149.04; CAS [870-63-3]; **Flash Point**: 32°C;
Boiling Point: 82.0° to 83.0°C (150.0mmHg); **Density**: 1.2700g/mL;
UN: 2924

5-Bromo-2-methyl-2-pentene

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAL1940606 |

97%; C₈H₁₇Br; **FW**. 163.06; CAS [2270-59-9]; **Flash Point**: 23°C (73°F);
Boiling Point: 50°C (20mmHg); **Transport Hazard Class**: 3;
UN: 1993

4-Bromophenylacetone

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC38022-0250 |

97%; C₉H₉BrO; **FW**. 213.08; CAS [6186-22-7]

(S)-(-)-1-(4-Bromophenyl)ethylamine

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAL2008014 |

99%, ee 98%; (S)-(-)-p-Bromo-alpha-methylbenzylamine; C₉H₁₀BrN;
FW. 200.08; CAS [27298-97-1]; **Melting Point**: -25°C (neat);
Flash Point: >110°C (230°F); **Boiling Point**: 140° to 145°C (30mmHg);
Transport Hazard Class: 8

α-Bromo-p-toluic Acid

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 250g | Glass Bottle | AC17040-2500 |

White to beige crystalline powder; 97%;
 4-Bromomethylbenzoic Acid; C₈H₇BrO₂; BrCH₂C₆H₄CO₂H; **FW**. 215.05;
 CAS [6232-88-8]; **Melting Point**: 223.0° to 227.0°C; **UN**: 3261

Butadiene Monoxide

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAL0023814 |

98%; 3,4-Epoxybut-1-ene, 2-Vinyloxirane; C₄H₆O; **FW**. 70.09;
 CAS [930-22-3]; **Melting Point**: -135°C; **Flash Point**: -50°C (-58°F);
Boiling Point: 65° to 66°C; **Transport Hazard Class**: 3;
UN: 1993

2-Butanone

Technical Grade

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|------------|--------------|
| 5L | Metal Drum | AC44417-0050 |

Methyl Ethyl Ketone, MEK; C₄H₈O; C₂H₅COCH₃; **FW**. 72.11;
 CAS [78-93-3]; **Melting Point**: -87.0°C; **Flash Point**: -7°C;
Boiling Point: 80.0°C; **Density**: 0.8060g/mL

3-Buten-1-amine

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAL2015706 |

97%; 4-Amino-1-butene, 3-Butenylamine;
 C₄H₉N; **FW**. 71.12; CAS [2524-49-4]; **Flash Point**: -5°C (23°F);
Boiling Point: 74° to 77°C; **UN**: 2733

3-Butenylamine



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1g | Glass Bottle | AC45505-0010 |
| 5g | Glass Bottle | AC45505-0050 |

97%; 1-Amino-3-butene, Homoallylamine; C₄H₉N; H₂C=CH(CH₂)₂NH₂; **FW.** 71.12; CAS [2524-49-4]; **Flash Point:** -5°C; **Boiling Point:** 83°C;

n-Butyl Acetate

Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | B396-1 |
| 4L | Glass Bottle | B396-4 |

Acetic Acid Butyl Ester; C₈H₁₆O₂; CH₃COOCH₂(CH₂)₃CH₃; **FW.** 116.16; CAS [123-86-4]; **Melting Point:** -77°C; **Flash Point:** 22°C; **Boiling Point:** 127° to 126°C (260.6° to 258.8°F); **Density:** 4.0 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1123



n-Butyl Chloride

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | B416-1 |
| 4L | Glass Bottle | B416-4 |

1-Chlorobutane, n-Propylcarbonyl Chloride; C₄H₉Cl; CH₃(CH₂)₃Cl; **FW.** 92.57; CAS [109-69-3]; **Melting Point:** -123°C (-189.4°F); **Flash Point:** -12°C; **Boiling Point:** 79°C; **Density:** 3.19 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1127



n-Butyl Chloride

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------------------|----------|
| 4L | Amber Glass Bottle | B429-4 |
| 4L | Amber Glass Bottle, Safe-Cote™ | B429SK-4 |

99% min by GC; 1-Chlorobutane, n-Propylcarbonyl Chloride; C₄H₉Cl; CH₃(CH₂)₃Cl; **FW.** 92.57; CAS [109-69-3]; **Melting Point:** -123°C (-189.4°F); **Flash Point:** -12°C; **Boiling Point:** 79°C (174.2°F); **Density:** 3.19 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1127

HPLC Grade mobile phase for analytical and preparative separations. High UV transmittance and low evaporation residue. Filtered through a sub-micron filter to remove particulates.



tert-Butyl Methyl Ether

HPLC Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250mL | ---- | AA41839AK |

Liquid; ≥99%; Methyl tert-Butyl Ether; (CH₃)₃COCH₃; **FW.** 88.15; CAS [1634-04-4]; **Melting Point:** -109°C; **Flash Point:** -25° (-13°F); **Boiling Point:** 55° to 56°C; **Density:** 0.742g/mL; **Transport Hazard Class:** 3; **UN:** 2350

n-Butyl Phosphate

Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | B404-500 |
| 4L | Glass Bottle | B404-4 |

Tributyl Phosphate, Phosphoric Acid Tributyl Ester; C₁₂H₂₇O₄P; (C₄H₉)₃PO₄; **FW.** 266.32; CAS [126-73-8]; **Melting Point:** <-80°C; **Boiling Point:** 289°C; **Density:** 0.98g/mL



Butyl Stearate

Technical Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA3633836 |

Liquid; CH₃(CH₂)₁₆COO(CH₂)₃CH₃; **FW.** 340.59; CAS [123-95-5]; **Melting Point:** 17° to 22°C; **Flash Point:** 160° (320°F); **Boiling Point:** 343°C; **Density:** 0.861g/mL

n-Butyric Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10L | Plastic Drum | AC10811-0100 |

≥99%; C₄H₈O₂; CH₃CH₂CH₂CO₂H; **FW.** 88.11; CAS [107-92-6]; **Melting Point:** -7.0° to 5.0°C; **Flash Point:** 69°C; **Boiling Point:** 162.0° to 165.0°C; **Density:** 0.9600g/mL; **UN:** 2820

Caffeine

USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500g | Glass Bottle | 01728-500 |

Powder, Anhydrous; 1,3,7-Trimethylxanthine, Guaranine; C₈H₁₀N₄O₂; **FW.** 194.19; CAS [58-08-2]; **Melting Point:** 237.78°C; **Boiling Point:** 177.78°C; **Density:** 1.23g/mL; **DOT Class 6.1:** Poison; **UN:** 1544



Calcium Stearate

Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 3kg | Poly Pail | C136-3 |

Powder; Stearic Acid Calcium Salt, Octadecanoic Acid Calcium Salt; Ca(CH₃(CH₂)₁₆COO)₂; Ca(O₂C(CH₂)₁₆CH₃)₂; **FW.** 607.02; CAS [1592-23-0]; **Melting Point:** 145° to 160°C; **Density:** 1.03g/mL



Carbon, Activated



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 350g | Glass Bottle | C270-C |

Granular; Coconut Charcoal; C; CAS [7440-44-0]; **Melting Point:** 3652°C; **Density:** 1.8g/mL
6 to 12 Mesh; Grayish-black granules.



Carbon, Activated

USP



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | C272-500 |
| 2.5kg | Poly Pail | C272-212 |

Powder; C; CAS [7440-44-0]; **Melting Point:** 3652°C; **Density:** 1.8g/mL
Fine black powder, free from gritty matter.



Carbon, Darco™ G-60, Activated



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | D127-500 |

Black Powder; Activated Charcoal; C; **FW.** 12.01; CAS [7440-44-0]; **Melting Point:** 3652°C; **Density:** 1.8g/mL;



Carbon, Decolorizing



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | C170-500 |

Black Powder; C; F.W. 12.01; CAS [7440-44-0];
Melting Point: 3652°C; **Density:** 1.8g/mL; Norit™, Neutral

ChemAlert™
Storage Code
GRAY

Carbon, Lampblack



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | C198-500 |

Oil Black (Lampblack), Carbon Black; C; F.W. 12.01;
 CAS [1333-86-4]

ChemAlert™
Storage Code
GRAY

Carbon Tetrachloride

Spectroscopy Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Glass Bottle | AC16772-5000 |

Clear Liquid; 99+%; CCl₄; F.W. 153.82; **Melting Point:** -23.0°C;
Boiling Point: 76.0°C; **Density:** 1.5940g/mL; **UN:** 1846

1,1'-Carbonyldiimidazole



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC15181-0250 |
| 100g | Glass Bottle | AC15181-1000 |

97%; C₇H₆N₄O; F.W. 162.15; CAS [530-62-1];
Melting Point: 118.0° to 120.0°C; **UN:** 3259

Carboplatin

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAJ6043306 |

Powder; 1,1-Cyclobutanedicarboxylatodiammineplatinum(II),
 cis-Diammine(1,1-cyclobutanedicarboxylato) platinum; C₆H₁₂N₂O₄Pt;
 [C₄H₆(CO₂)₂]Pt(NH₃)₂; F.W. 371.25; CAS [41575-94-4];
Recommended Storage: -30° to -10°C; White

Castor Oil

USP



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | O46-4 |

Ricinus Oil; CAS [8001-79-4]; **Melting Point:** -10°C;
Boiling Point: 313°C; **Density:** 0.96g/mL

ChemAlert™
Storage Code
GRAY

Cetirizine Dihydrochloride

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAJ6354914 |

Solid; (±)-[2-[4-[(4-chlorophenyl)phenylmethyl]-1-piperazinyl]ethoxy]
 Acetic Acid Dihydrochloride; C₂₁H₂₈ClN₂O₃·2HCl; F.W. 461.82;
 CAS [83881-52-1]; White

Chloroacetic Acid

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | A176-500 |

White Flakes; Monochloroacetic Acid, Chloroethanoic Acid;
 C₂H₃ClO₂; CH₂ClCOOH; F.W. 94.5; CAS [79-11-8];
Melting Point: 61° to 63°C; **Boiling Point:** 189°C;
Density: 1.58g/mL; **DOT Class 6.1:** Poison; **UN:** 1751;

ChemAlert™
Storage Code
WHITE

Chlorobis (cyclooctene)iridium (I) Dimer

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 5g | ---- | AA4496606 |

Di-μ-chlorobis(cyclooctene)iridium(I); C₃₂H₅₆Cl₂Ir₂; F.W. 896.00;
 CAS [12246-51-4]; Ir nominally 42.9%

2-Chloro-3',4'-dihydroxyacetophenone

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500g | ---- | AAB2349636 |

97%; Alpha-Chloro-3,4-dihydroxyacetophenone, 3,4-Dihydroxyphenacyl chloride; C₈H₇ClO₃; F.W. 186.59; CAS [99-40-1];
Melting Point: 172° to 176°C

3-Chloro-5-fluorophenol

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAH2619506 |

98%; C₆H₄ClFO; F.W. 146.55; CAS [202982-70-5];
Transport Hazard Class: 8; **UN:** 3265

N-(5-Chloro-2-pyridyl)bis(trifluoromethanesulfonimide)



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC37880-0250 |

2-[N,N-Bis(trifluoromethylsulfonyl)amino]-5-chloropyridine;
 C₇H₃ClF₆N₂O₄S₂; F.W. 392.69; CAS [145100-51-2];
Melting Point: 45.0° to 47.0°C;
Boiling Point: 77.0° to 90.0°C (0.2mmHg)

5-(Chloromethyl)-1,3-dimethyl-1H-pyrazole



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10g | Glass Bottle | AC45156-0100 |

97%; C₆H₉ClN₂; F.W. 144.60; CAS [852227-86-2];
Melting Point: 65.0° to 66.0°C

(Chloromethylene)dimethylammonium Chloride

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAB2417214 |

96%; Arnold's Reagent, N,N-Dimethylchloroformimidium Chloride;
 C₂H₇Cl₂N; F.W. 128.00; CAS [3724-43-4]; **Melting Point:** 130°C (dec.);
Transport Hazard Class: 8; **UN:** 3261

Chloromethylphosphonic Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC45160-0050 |

98%; CH₂ClO₂P; F.W. 130.47; CAS [2565-58-4];
Melting Point: 88.0° to 92.0°C

3-Chloroperoxybenzoic Acid



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 25g | Plastic Bottle | AC25579-0250 |
| 100g | Plastic Bottle | AC25579-1000 |
| 500g | Plastic Bottle | AC25579-5000 |
| 1kg | Plastic Bottle | AC25579-0010 |

70-75%; m-Chloroperoxybenzoic Acid, m-CPBA, MCPBA; C₇H₅ClO₃;
 ClC₆H₄CO₂H; F.W. 172.57; CAS [937-14-4, 535-80-8, 7732-18-5];
Melting Point: 92.0° to 94.0°C; **Density:** 0.5600g/mL; **UN:** 3106

N-Chlorosuccinimide

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|----------------|--------------|
| | 2.5kg | Plastic Bottle | AC14925-0025 |

White crystalline powder; 97%; NCS; C₄H₄ClNO₂; **FW.** 133.53;
CAS [128-09-6]; **Melting Point:** 144.0°C to 150.0°C; **Flash Point:** >110°C

Chromotropic Acid Disodium Salt Dihydrate Certified ACS

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------|----------|
| | 25g | Glass Bottle | C613-25 |

4,5-Dihydroxy-2,7-naphthalene Disulfonic Acid Disodium Salt;
C₁₀H₆O₈S₂Na₂·2H₂O; **FW.** 400.28; CAS [5808-22-0];
Melting Point: >300°C

ChemAlert
Storage Code
GRAY

Ciprofloxacin

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|--------------|--------------|
| | 5g | Glass Bottle | AC44962-0050 |
| | 25g | Glass Bottle | AC44962-0250 |

98%; C₁₇H₁₈FN₃O₃; **FW.** 331.34; CAS [85721-33-1]

Citric Acid Monohydrate Technical Grade

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|--------------|--------------|
| | 5kg | Plastic Drum | AC44437-0050 |

C₆H₈O₇·H₂O; HO₂CCH₂C(OH)(CO₂H)CH₂CO₂H·H₂O; **FW.** 210.15;
CAS [5949-29-1]; **Melting Point:** 135.0° to 152.0°C; **Flash Point:** 174°C

Citric Acid, Trisodium Salt Dihydrate ACS Reagent

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|----------------|--------------|
| | 250g | Plastic Bottle | AC44633-2500 |
| | 1kg | Plastic Bottle | AC44633-0010 |

Trisodium Citrate Dihydrate, Sodium Citrate Tribasic Dihydrate;
C₆H₅Na₃O₇·2H₂O; NaO₂CCH₂C(OH)(CO₂Na)CH₂CO₂Na·2H₂O;
FW. 294.09; CAS [6132-04-3]; **Melting Point:** >300.0°C

Clarithromycin

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|--------------|--------------|
| | 1g | Glass Bottle | AC45522-0010 |

97%; 6-O-Methyl erythromycin; C₃₈H₆₈NO₁₃; **FW.** 747.96;
CAS [81103-11-9]; **Melting Point:** 222° to 231°C

Collodion

| MACRON INDUSTRIAL | Quantity | Packaging | Cat. No. |
|----------------------|----------|--------------|-----------|
| | 500mL | Glass Bottle | MK4560500 |

CAS [64-17-5]; USP

m-Cresol

| M INDUSTRIAL | Quantity | Packaging | Cat. No. |
|-----------------|----------|--------------------------|-------------|
| | 30kg | Steel Drum with PE Liner | M8096919030 |

>99.0%; 3-Hydroxytoluol, 3-Methylphenol; C₇H₈O;
FW. 108.14; CAS [108-39-4]; **Melting Point:** 11.5°C (52.7°F);
Boiling Point: 203°C (397.4°F); **Density:** 1.03g/cm³ (20°C); **UN:** 2076

m-Cresol

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|--------------|--------------|
| | 1kg | Glass Bottle | AC11058-0010 |

99%; 3-Methylphenol, 3-Hydroxytoluene; C₇H₈O; CH₃C₆H₄OH;
FW. 108.14; CAS [108-39-4]; **Melting Point:** 8.0° to 10.0°C;
Flash Point: 86°C; **Boiling Point:** 203.0°C; **Density:** 1.0300g/mL;
UN: 2076

18-Crown-6

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|--------------|--------------|
| | 500g | Glass Bottle | AC18156-5000 |

99%; 1,4,7,10,13,16-Hexaoxacyclooctadecane; C₁₂H₂₄O₆;
FW. 264.32; CAS [17455-13-9]; **Melting Point:** 36.0° to 40.0°C;
Flash Point: >110°C

Crystal Violet ACS Reagent

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|--------------|--------------|
| | 50g | Glass Bottle | AC44757-0500 |

Basic Violet 3, Gentian Violet; C₂₅H₃₀ClN₃; **FW.** 407.99;
CAS [548-62-9, 90-94-8]; **Melting Point:** 215.0°C; **C.I.:** 42555

Cumene Extra Pure

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|--------------|--------------|
| | 2.5L | Glass Bottle | AC32973-0025 |

99.9%; Isopropylbenzene; C₉H₁₂; C₆H₅CH(CH₃)₂; **FW.** 120.19;
CAS [98-82-8]; **Melting Point:** -96.0°C; **Flash Point:** 31°C;
Boiling Point: 152.0° to 154.0°C; **Density:** 0.8620g/mL; **UN:** 1918

4-Cyano-1-butyne

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|--------------|--------------|
| | 5g | Glass Bottle | AC45559-0050 |

97%; 4-Pentynenitrile; C₅H₅N; NCCH₂CH₂CCCH; **FW.** 79.1;
CAS [19596-07-7]; **Flash Point:** 65.5°C; **Boiling Point:** 79°C (at 39 Torr);
Density: 0.9063g/mL

2-Cyano-6-hydroxybenzothiazole

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|--------------|--------------|
| | 5g | Glass Bottle | AC45094-0050 |

97%; C₈H₄N₂OS; **FW.** 176.19; CAS [939-69-5];
Melting Point: 212° to 215°C

Cyclobutyl Bromide Pure

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|--------------|--------------|
| | 25g | Glass Bottle | AC32050-0250 |

97%; C₄H₇Br; **FW.** 135.01; CAS [4399-47-7]; **Flash Point:** 22°C;
Boiling Point: 108.0°C; **Density:** 1.4300g/mL; **UN:** 1993

β-Cyclodextrin

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|--------------|--------------|
| | 100g | Glass Bottle | AC40600-1000 |
| | 500g | Glass Bottle | AC40600-5000 |

98%; Cycloheptaamylose, β-Shardinger Dextrin, CD; C₄₂H₇₀O₃₅;
FW. 1134.98; CAS [7585-39-9]; **Melting Point:** 310.0°C

2-Cyclohepten-1-one

ACROS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC17107-0050 |

90%; C₇H₁₀O; **FW**: 110.16; **CAS** [1121-66-0]; **Flash Point**: 68°C;
Boiling Point: 189°C; **Density**: 0.99g/mL

Cyclohexanol

Reagent Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | C558-500 |

Hexahydrophenol, Hexalin; C₆H₁₂O; CH₂(CH₂)₄CHOH;
FW: 100.16; **CAS** [108-93-0]; **Melting Point**: 23°C;
Boiling Point: 161°C; **Density**: 0.96g/mL

ChemAlert®
Storage Code
GRAY

Cyclohexanol

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500mL | ---- | AAA17576AP |

99%; C₆H₁₂O; **FW**: 100.16; **CAS** [108-93-0]; **Melting Point**: 23° to 24°C;
Flash Point: 67°C (152°F); **Boiling Point**: 160° to 161°C

Cyclohexene

Reagent Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | 02111-1 |

≥98%; 1,2,3,4-Tetrahydrobenzene; C₆H₁₀;
CHCH(CH₂)₃CH₂; **FW**: 82.15; **CAS** [110-83-8, 128-37-0]; **Melting Point**: -104°C; **Flash Point**: -20°C;
Boiling Point: 83°C; **Density**: 0.81g/mL;
DOT Class 3: Flammable Liquid; **UN**: 2256;
Contains 0.01% tert-butylcresol as an inhibitor

SOLVENT
ChemAlert®
Storage Code
RED

Cycloheximide

ACROS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC35742-0250 |

95%; Actidione; C₁₅H₂₂NO₄; **FW**: 281.35; **CAS** [66-81-9];
Melting Point: 107.0° to 114.0°C; **UN**: 2811

4-Cyclohexylaniline

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAL0318406 |
| 2.5L | ---- | AAA147320F |

97%; C₁₂H₁₇N; **FW**: 175.28; **CAS** [6373-50-8]; **Melting Point**: 52° to 56°C;
Boiling Point: 166°C (13mmHg)

(1,2-Cyclohexylenedinitrilo)-tetraacetic Acid Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | 02116-100 |

97.5 to 100.5%; trans-1,2-Diaminocyclohexane-
N,N,N',N'-tetraacetic Acid; C₁₄H₂₂N₂O₈·H₂O;
FW: 364.35; **CAS** [125572-95-4]

SOLVENT
ChemAlert®
Storage Code
GRAY

Cyclopentane

HPLC Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA44814K7 |

Clear Colorless Liquid; C₅H₁₀; **FW**: 70.14; **CAS** [287-92-3];
Melting Point: -95°C (-139°F); **Flash Point**: -37°C (-34.6°F);
Boiling Point: 47° to 49°C; **Density**: 0.748g/cm³ at 20°C; **UN**: 1146;
Colorless; For HPLC Grade and Spectrophotometry

D-Cycloserine

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAA1800006 |

(R)-(+)-4-Amino-3-isoxazolidinone; C₃H₆N₂O₂; **FW**: 102.09;
CAS [68-41-7]; **Melting Point**: 137°C (dec.)

Cypermethrin

ACROS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC45631-0250 |

98%; alpha-Cyano-(3-phenoxyphenyl)methyl 3-(2,2-dichlorovinyl)-
2,2-dimethylcyclopropanecarboxylate; C₂₂H₁₉Cl₂NO₃; **FW**: 416.3;
CAS [52315-07-8]; **Density**: 1.12g/mL

Decamethylcyclopentasiloxane

ACROS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 250g | Glass Bottle | AC45458-2500 |

97%; C₁₀H₂₀O₅Si₆; **FW**: 370.77; **CAS** [541-02-6]; **Flash Point**: 76°C;
Boiling Point: 101.0°C (20.0mmHg); **Density**: 0.9590g/mL

Decane

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | 02128-500 |

C₁₀H₂₂; CH₃(CH₂)₈CH₃; **FW**: 142.28; **CAS** [124-18-5];
Melting Point: -29.7°C; **Flash Point**: 46°C;
Boiling Point: 173.89°C; **Density**: 4.9;
DOT Class 3: Flammable Liquid; **UN**: 2247

SOLVENT
ChemAlert®
Storage Code
RED

Decane

Pure

ACROS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Glass Bottle | AC11187-5000 |

Clear Colorless Liquid; 99+%; C₁₀H₂₂; CH₃(CH₂)₈CH₃; **FW**: 142.28;
Melting Point: -30.0°C; **Flash Point**: 46°C; **Boiling Point**: 174.0°C;
Density: 0.7350g/mL; **UN**: 2247

n-Decane

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500mL | ---- | AAA14732AP |
| 2.5L | ---- | AAA147320F |

Liquid; 99%; CH₃(CH₂)₈CH₃; **FW**: 142.29; **CAS** [124-18-5];
Melting Point: -30°C; **Flash Point**: 46°C; **Boiling Point**: 172° to 174°C;
Density: 0.730g/mL

n-Decane

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA3120936 |

Liquid; ≥99%; C₁₀H₂₂; CH₃(CH₂)₈CH₃; **FW**: 142.29; **CAS** [124-18-5];
Melting Point: -30°C; **Flash Point**: 46° (115°F);
Boiling Point: 172° to 174°C; **Density**: 0.730g/mL;
Transport Hazard Class: 3; **UN**: 2247

1-Decanesulfonic Acid, Sodium Salt, Anhydrous

HPLC Grade

M
IND HILLMORE

| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 100g | Plastic Bottle | MDX01013 |

White Crystalline Solid; CH₃(CH₂)₉SO₃Na; **FW**: 244.33;
CAS [13419-61-9]; **Melting Point**: >3°C; For Synthesis

9-Decen-1-ol



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC15264-0250 |

99%; C₁₀H₂₀O; H₂C=CH(CH₂)₈OH; **FW.** 156.27; CAS [13019-22-2];
Melting Point: -13.0°C; **Flash Point:** 104°C;
Boiling Point: 234.0° to 238.0°C; **Density:** 0.8450g/mL

Dexamethasone



| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAA1759006 |

98%; C₂₂H₂₈FO₅; **FW.** 392.47; CAS [50-02-2]; **Melting Point:** 262° to 264°C

Dextran Sulfate Sodium Salt



| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 100g | ---- | AAJ6360622 |

Powder; Dextran Sodium Sulfate, Sodium Dextran Sulfate;
FW. ~40 kd; CAS [9011-18-1]; Off-white to Pale Yellow

Dextrose (D-Glucose), Anhydrous

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | D16-500 |
| 1kg | Poly Bottle | D16-1 |
| 3kg | Glass Bottle | D16-3 |
| 10kg | Poly Pail | D16-10 |
| 50kg | Fiber Drum | D16-50 |

Granular Powder; D-Glucose, Blood Sugar, Grape Sugar, Corn Sugar; C₆H₁₂O₆; CH₂OH(CHOH)₄CHO; **FW.** 180.16; CAS [50-99-7]



Dextrose, Anhydrous

ACS Grade, USP, NF



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 500g | Plastic Bottle | MDX01451 |
| 2.5kg | Plastic Bottle | MDX01453 |
| 12kg | Poly Pail | MDX01455 |

Powder; D-Glucose; CH₂OH(CHOH)₄CHO; **FW.** 180.16; CAS [50-99-7]; White

Dextrose Monohydrate

USP



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | D15-500 |
| 3kg | Poly Pail | D15-3 |
| 12kg | Poly Pail | D15-12 |

Powder; D-Glucose Monohydrate; C₆H₁₂O₆·H₂O; CH₂OHCHO(CHOH)₄CHO·H₂O; **FW.** 198.17; CAS [77938-63-7]; **Density:** 1.54g/mL



2,6-Diaminopimelic Acid



| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAB2239106 |

98%; C₇H₁₄N₂O₄; **FW.** 190.2; CAS [583-93-7]; **Melting Point:** >300°C

Dibenzothiophene



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 1kg | Plastic Bottle | AC11254-0010 |

98%; C₁₂H₈S; **FW.** 184.26; CAS [132-65-0];
Melting Point: 97.0° to 100.0°C; **Flash Point:** 170°C;
Boiling Point: 332.0° to 333.0°C

1,4-Dibromobenzene



| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 2500g | ---- | AAA105170E |

98%; p-Dibromobenzene; C₆H₄Br₂; **FW.** 235.91; CAS [106-37-6];
Melting Point: 86° to 90°C; **Flash Point:** >100°C (212°F);
Boiling Point: 219° to 220°C; **Transport Hazard Class:** 9;
UN: 3077

Dibromomethane



| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 2500g | ---- | AAA104560E |

99%; Methylene Bromide; CH₂Br₂; **FW.** 173.85; CAS [74-95-3];
Melting Point: -53°C; **Boiling Point:** 96° to 98°C;
Transport Hazard Class: 6.1; **UN:** 2664

4,5-Dibromo-3(2H)-pyridazinone



| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAA1599414 |

98%; C₆H₂Br₂N₂O; **FW.** 253.89; CAS [5788-58-9];
Melting Point: ≈220°C (dec.)

Dibutylamine

Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | 02199-500 |
| 1L | Glass Bottle | 02199-1 |

n-Butyl-1-butanamine; C₈H₁₈N; CAS [CH₃(CH₂)₃]₂NH;
FW. 129.25; CAS [111-92-2]; **Melting Point:** -62°C;
Flash Point: 47°C; **Boiling Point:** 159.6 ± 0.1°C;
Density: 0.76g/mL; **DOT Class 8:** Corrosive; **UN:** 2248



o-Dichlorobenzene

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | 02231-1 |

1,2-Dichlorobenzene, ortho-Dichlorobenzene;
C₆H₄Cl₂; **FW.** 147; CAS [95-50-1]
Melting Point: -15°C (5°F)
Boiling Point: 179° to 180°C; **Density:** 1.3g/mL;
DOT Class 6.1: Poison; **UN:** 1591



o-Dichlorobenzene

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02003564 |

C₆H₄Cl₂; **FW.** 147; CAS [95-50-1]; **Flash Point:** 66.00°C
Meets USP Requirements

1,2-Dichlorobenzene

Pure

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC11318-0010 |
| 2.5L | Glass Bottle | AC11318-0025 |

Clear Colorless to Very Slightly Yellow Liquid; 99%;
o-Dichlorobenzene; $C_6H_4Cl_2$; F.W. 147.00; CAS [95-50-1];
Melting Point: $-15.0^{\circ}C$

1,2-Dichlorobenzene

HPLC Grade

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC44564-0010 |

$\geq 99\%$; o-Dichlorobenzene; $C_6H_4Cl_2$; F.W. 147.00; CAS [95-50-1];
Melting Point: $-15.0^{\circ}C$; Flash Point: $67^{\circ}C$;
Boiling Point: 179.0° to $180.0^{\circ}C$; Density: 1.3000g/mL

2,6-Dichloroindophenol Sodium Salt

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 5g | Glass Bottle | S286-5 |

Sodium Benzenoneindophenol, Sodium
2,6-Dichlorobenzenoneindophenol, Tillman's Reagent,
2,6-Dichlorobenzenone Indophenol Sodium Salt;
 $C_{12}H_6Cl_2NO_2 \cdot Na \cdot 2H_2O$; $NaOC_6H_4N:C_6H_4Cl_2 \cdot O$; F.W. 290.08;
CAS [620-45-1]; For ascorbic acid determination.

ChemAlert®
Storage Code
GRAY

SOLVENT

ChemAlert®
Storage Code
RED

5,7-Dichloropyrazolo [1,5-a]pyrimidine

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1g | Glass Bottle | AC45413-0010 |

95%; $C_6H_3Cl_2N_3$; F.W. 188.02; CAS [57489-77-7];
Melting Point: 75° to $76.5^{\circ}C$

Dicobalt Octacarbonyl

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC29184-1000 |

95%; $C_8Co_2O_8$; $Co_2(CO)_8$; F.W. 341.95; CAS [10210-68-1];
Melting Point: 51.0° to $52.0^{\circ}C$; Flash Point: $>110^{\circ}C$;
Density: 1.8100g/mL; UN: 3124

N,N'-Dicyclohexylcarbodiimide

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25kg | Plastic Drum | AC11390-0250 |

99%; DCC; $C_{13}H_{22}N_2$; $C_6H_{11}N=C=NC_6H_{11}$; F.W. 206.33; CAS [538-75-0];
Melting Point: 33.0° to $35.0^{\circ}C$; Flash Point: $>110^{\circ}C$;
Boiling Point: 122.0° to $124.0^{\circ}C$ (6.0mmHg); UN: 2928

Diethanolamine

Laboratory Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | D45-500 |

2,2'-Iminodiethanol, Diethylolamine, Bis(hydroxyethyl)amine;
 $C_4H_{11}NO_2$; $(HOCH_2CH_2)_2NH$; F.W. 105.14; CAS [111-42-2,
7732-18-5]; Melting Point: $-6^{\circ}C$;
Flash Point: $137^{\circ}C$; Boiling Point: $268^{\circ}C$; Density: 1.09g/mL;
DOT Class 8: Corrosive; UN: 3267

ChemAlert®
Storage Code
WHITE

Diethyl Ether

ACS Reagent

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500g | Glass Bottle | AC41006-5000 |

$\geq 99\%$; Ether, Ethyl Ether; $C_4H_{10}O$; $(CH_3CH_2)_2O$; F.W. 74.12; CAS [60-29-7];
Melting Point: $-116.0^{\circ}C$; Flash Point: $-45^{\circ}C$; Boiling Point: $34.6^{\circ}C$;
Density: 0.7140g/mL

Diethyl Ether

Technical Grade

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|------------|--------------|
| 5L | Metal Drum | AC44426-0050 |

Ether, Ethyl Ether; $C_4H_{10}O$; $(CH_3CH_2)_2O$; F.W. 74.12; CAS [60-29-7];
Melting Point: $-116.0^{\circ}C$; Flash Point: $-45^{\circ}C$; Boiling Point: $34.6^{\circ}C$;
Density: 0.7140g/mL

Diethylamine

Reagent Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | D46-500 |
| 1L | Glass Bottle | D46-1 |

N-Ethylethanamine; $C_4H_{11}N$; $(C_2H_5)_2NH$; F.W. 73.14;
CAS [109-89-7]; Melting Point: $-50^{\circ}C$;
Flash Point: $-23^{\circ}C$;
Boiling Point: 55° to $58^{\circ}C$ (131° to $136.4^{\circ}F$);
Density: 2.5; DOT Class 3: Flammable Liquid; UN: 1154

SOLVENT

ChemAlert®
Storage Code
RED

Diethylamine

Extra Pure

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10L | Plastic Drum | AC14945-0100 |

$\geq 99\%$; $C_4H_{11}N$; $(C_2H_5)_2NH$; F.W. 73.13; CAS [109-89-7];
Melting Point: $-50.0^{\circ}C$; Flash Point: $-23^{\circ}C$; Boiling Point: $55.0^{\circ}C$;
Density: 0.7100g/mL

Diethylene Glycol

Reagent Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | D49-1 |

2,2'-Oxybis[ethanol], 2,2'-Oxydiethanol, β,β' -Dihydroxyethyl
Ether, Glycol Ether; $C_4H_{10}O_3$; $(HOCH_2CH_2)_2O$; F.W. 106.12;
CAS [111-46-6]; Melting Point: $-10^{\circ}C$; Boiling Point: $245^{\circ}C$;
Density: 1.11g/mL

ChemAlert®
Storage Code
GRAY

Diethylene Glycol Monobutyl Ether

Laboratory Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | D50-4 |

2-(2-Butoxyethoxy)ethanol, Butyl Carbitol, Butyl Digol; $C_8H_{18}O_3$;
 $CH_3(CH_2)_3OCH_2CH_2OCH_2CH_2OH$; F.W. 162.23; CAS [112-34-5];
Melting Point: $-68^{\circ}C$; Flash Point: $100^{\circ}C$; Boiling Point: $231^{\circ}C$;
Density: 5.6 (Air=1.0)

ChemAlert®
Storage Code
GRAY

Diethylene Glycol Monoethyl Ether

Laboratory Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | D51-4 |

Carbitol, 2-(2-Ethoxyethoxy)ethanol, Ethyl Digol; $C_8H_{18}O_3$;
 $C_2H_5OCH_2CH_2OCH_2CH_2OH$; F.W. 134.18; CAS [111-90-0];
Melting Point: $-80^{\circ}C$; Boiling Point: $197^{\circ}C$; Density: 0.99g/mL;

ChemAlert®
Storage Code
GRAY

N,N-Diethyl-p-phenylenediamine Oxalate Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | 02358-25 |

>85%; p-Amino-Diethylaniline Oxalate; $C_{22}H_{24}N_4O_4$;
 $[(CH_3CH_2)_2NC_6H_4NH_2]_2(COOH)_2$; F.W. 418.55; CAS [62637-92-7];
Melting Point: 159°C

ChemAlert® Storage Code GRAY

Diethylsilane

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAL1646814 |

$C_4H_{12}Si$; F.W. 88.23; CAS [542-91-6]; **Melting Point:** -132°C;
Flash Point: -20°C (-4°F); **Boiling Point:** 56°C;
Transport Hazard Class: 3

2,4-Difluoro-3-methoxybenzaldehyde

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 10g | ---- | AAH2659709 |

97%; $C_8H_6F_2O_2$; F.W. 172.13; CAS [870837-66-4]

2,4-Difluoro-3-nitrobenzonitrile

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1g | Glass Bottle | AC45142-0010 |

97%; $C_7H_2F_2N_2O_2$; F.W. 184.10; CAS [1186194-75-1]

Diiodomethane

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5kg | Glass Bottle | AC16983-0025 |

>99%; Methylene Iodide; CH_2I_2 ; F.W. 267.83; CAS [75-11-6, 7440-22-4];
Melting Point: 6.0°C; **Flash Point:** >110°C; **Boiling Point:** 181.0°C;
Density: 3.3200g/mL

Diisopropyl Methylphosphonate

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC44938-1000 |

90%; $C_7H_{17}O_3P$; F.W. 180.18; CAS [1445-75-6];
Boiling Point: 50.0° to 51.0°C (1.0mmHg); **Density:** 0.9850g/mL

Diisopropylamine Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | 02412-4 |

N-(1-Methylethyl)-2-propanamine, DIPA, DPA;
 $C_6H_{15}N$; F.W. 101.19; CAS [108-18-9];
Melting Point: -61°C (-78°F); **Flash Point:** -28°C;
Boiling Point: 84°C; **Density:** 0.72g/mL;
DOT Class 3: Flammable Liquid; **UN:** 1158

SOLVENT ChemAlert® Storage Code RED

Diisopropylamine

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 2.5L | ---- | AAA102800F |

>99%; $[(CH_3)_2CH]_2NH$; F.W. 101.19; CAS [108-18-9];
Melting Point: -61°C (-78°F); **Flash Point:** -7°C;
Boiling Point: 83° to 84°C; **Density:** 0.718g/mL

Diisopropylamine

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC14946-0010 |
| 2.5L | Glass Bottle | AC14946-0025 |

Clear Colorless Liquid; 99%; (N-(1-Methylethyl)-2)propanamine;
 $C_6H_{15}N$; $[(CH_3)_2CH]_2NH$; F.W. 101.19; CAS [108-18-9];
Melting Point: -61.0°C; **Flash Point:** -17°C; **Boiling Point:** 84.0°C;
Density: 0.7160g/mL; **UN:** 1158

N,N'-Diisopropylcarbodiimide

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC11521-1000 |

99%; $C_7H_{14}N_2$; $(CH_3)_2CHN=C=NCH(CH_3)_2$; F.W. 126.20; CAS [693-13-0];
Flash Point: 33°C; **Boiling Point:** 145.0° to 148.0°C;
Density: 0.8100g/mL; **UN:** 3384

N,N-Diisopropylethylamine

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100mL | Glass Bottle | AC36784-1000 |
| 1L | Glass Bottle | AC36784-0010 |

>99.5%; N-Ethyl-diisopropylamine; $C_8H_{18}N$; $[(CH_3)_2CH]_2NC_2H_5$;
F.W. 129.24; CAS [7087-68-5]; **Melting Point:** -46.0°C; **Flash Point:** 6°C;
Boiling Point: 127.0°C; **Density:** 0.7560g/mL; **UN:** 2733

1,2-Dimethoxyethane Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | 02430-1 |
| 4L | Glass Bottle | 02430-4 |

Ethylene Glycol Dimethyl Ether, Glyme; $C_4H_{10}O_2$;
 $CH_3OCH_2CH_2OCH_3$; F.W. 90.12; CAS [110-71-4];
Melting Point: -58°C; **Flash Point:** -6°C;
Boiling Point: 82° to 83°C; **Density:** 0.86g/mL;
DOT Class 3: Flammable Liquid; **UN:** 2252

SOLVENT ChemAlert® Storage Code RED

Dimethyl Sulfoxide GC Headspace Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | D139-1 |

Liquid; 99.9% Minimum; DMSO; C_2H_6OS ; F.W. 78.13;
CAS [67-68-5]; Clear, Colorless

ChemAlert® Storage Code RED

Dimethylacetamide GC Headspace Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | D160-1 |

Liquid; 99.9% Minimum; N, N-dimethylacetamide; C_4H_9NO ;
F.W. 87.12; CAS [127-19-5]; DMAC; Clear, Colorless

ChemAlert® Storage Code RED

p-Dimethylaminobenzaldehyde Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | D71-25 |
| 100g | Glass Bottle | D71-100 |

Crystalline Powder; Ehrlich's Reagent,
4-Dimethylaminobenzene-carbonyl; $C_8H_{11}NO$; $(CH_3)_2NC_6H_4CHO$;
F.W. 149.19; CAS [100-10-7];
Melting Point: 70° to 75°C (158° to 167°F); **Flash Point:** 164°C;
Boiling Point: 176° to 177°C at 17 mmHg; **Density:** 5.15 (Air=1.0)

ChemAlert® Storage Code GRAY

1-(3-Dimethylaminopropyl)-3-ethylcarbodiimide Hydrochloride



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10g | Glass Bottle | AC17144-0100 |
| 50g | Glass Bottle | AC17144-0500 |
| 100g | Glass Bottle | AC17144-1000 |

≥98%; EDAC Hydrochloride, N-Ethyl-N'-(3-dimethylaminopropyl) Carbodiimide Hydrochloride; C₈H₁₇N₃HCl; (CH₃)₂NCH₂CH₂CH₂N=C=NCH₂CH₃; F.W. 191.71; CAS [25952-53-8]; Melting Point: 111.0° to 116.0°C; UN: 2811

1-(3-Dimethylaminopropyl)-3-ethylcarbodiimide Hydrochloride

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAA1080714 |

≥98%; EDAC, EDCl; C₈H₁₇N₃HCl; CH₃CH₂N=C=N(CH₂)₃N(CH₃)₂HCl; F.W. 191.70; CAS [25952-53-8]; Melting Point: ≈113°C

4-(Dimethylamino)pyridine

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAA1301614 |

99%; C₇H₁₀N₂; F.W. 122.17; CAS [1122-58-3]; Melting Point: 110° to 113°C; Flash Point: 124°C (255°F); Boiling Point: 162°C (50mmHg); Transport Hazard Class: 6.1; UN: 2928

2,3-Dimethylbutane

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA43142K2 |

Liquid; ≥98%; Diisopropyl; C₆H₁₄; F.W. 86.18; CAS [79-29-8]; Melting Point: -129°C; Flash Point: -29°C (-20°F); Boiling Point: 57° to 59°C; Density: 0.662g/mL; Transport Hazard Class: 3; UN: 2457; Colorless

2,3-Dimethylbutane



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC11610-0010 |

≥98%; Diisopropyl; C₆H₁₄; (CH₃)₂CHCH(CH₃)₂; F.W. 86.18; CAS [79-29-8]; Melting Point: -129.0°C; Flash Point: -29°C; Boiling Point: 58.0°C; Density: 0.6620g/mL; UN: 2457

3,3-Dimethyl-2-butanone



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5L | Glass Bottle | AC13125-0025 |

96%; tert-Butyl Methyl Ketone, Pinacolone; C₆H₁₂O; (CH₃)₃CCOCH₃; F.W. 100.16; CAS [75-97-8]; Melting Point: -52.5°C; Flash Point: 17°C; Boiling Point: 106.0°C; Density: 0.8000g/mL; UN: 1993

4,4-Dimethylcyclohexanone



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC44881-0050 |

97%; C₈H₁₆O; (CH₃)₂C₆H₁₀(=O); F.W. 126.20; CAS [4255-62-3]; Melting Point: 41.0° to 43.0°C; Flash Point: 62°C; Boiling Point: 73.0°C (14.0mmHg)

Dimethylformamide

GC Headspace Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | D133-1 |

Liquid; 99.9% Minimum; N,N-Dimethylformamide; C₃H₇NO; F.W. 73.09; CAS [68-12-2]; DMF; Clear, Colorless



N,N-Dimethylformamide



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | MDX17301 |

Clear Colorless Liquid; 99.8% min.; Formic Acid Dimethylamide; HCON(CH₃)₂; F.W. 73.09; CAS [68-12-2]

N,N-Dimethylformamide

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA43465K7 |
| 4 x 4L | ---- | AA43465M6 |

Clear Colorless Liquid; 99.9%; HCON(CH₃)₂; F.W. 73.09; CAS [68-12-2]; Melting Point: -61°C (-78°F); Flash Point: 57°C; Boiling Point: 153°C; Density: 0.944g/cm³ at 20°C; UN: 2265; Colorless; Suitable for nucleic acids, peptide synthesis

N,N-Dimethylformamide di-tert-butyl Acetal

Technical Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAL0043114 |

90%; C₁₁H₂₀NO₂; (CH₃)₂NCH[OC(CH₃)₃]₂; F.W. 203.33; CAS [36805-97-7]; Flash Point: 33°C (91°F); Boiling Point: 75° to 77°C (12mmHg); Transport Hazard Class: 3; UN: 1993

2,5-Dimethylfuran



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Glass Bottle | AC17603-5000 |

Clear Colorless to Amber Liquid; 99%; C₆H₈O; F.W. 96.13; CAS [625-86-5]; Melting Point: -62.0°C; Flash Point: -1°C; Boiling Point: 92.0° to 94.0°C; Density: 0.9000g/mL; UN: 1992

2,4-Dimethylpyrrole



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC31965-0250 |

97%; C₆H₉N; F.W. 95.15; CAS [625-82-1]; Flash Point: >109°C; Boiling Point: 165.0° to 167.0°C; Density: 0.9240g/mL

N,N-Dimethyl-p-toluidine

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 2500g | ---- | AAA119880E |

99%; N,N-Dimethyl-4-methylaniline, N,N,4-Trimethylaniline; C₉H₁₁N; F.W. 135.21; CAS [99-97-8]; Melting Point: -25°C; Flash Point: 83°C (181°F); Boiling Point: 210° to 211°C; Transport Hazard Class: 6.1; UN: 1708

1,3-Diphenylguanidine

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250g | ---- | AA3139530 |

Powder; ≥99%; N,N'-Diphenylguanidine, Melaniline; (C₆H₅NH)₂C=NH; **FW.** 211.27; CAS [102-06-7]; **Melting Point:** 148° to 150°C; **Boiling Point:** 170°C (dec.); **Density:** 1.130g/mL; **Transport Hazard Class:** 9; **UN:** 3077; Pale Cream
Primary material for standardizing acids

2,2-Diphenyl-1-picrylhydrazyl (Free Radical)

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1g | ---- | AA4415003 |

Powder; 95%; DPPH; C₁₈H₁₂N₅O₆; **FW.** 394.32; CAS [1898-66-4]

2,2'-Dipyridyl

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500g | Glass Bottle | AC11750-5000 |

≥99%; α,α'-Dipyridyl, 2,2'-Bipyridine; C₁₀H₈N₂; **FW.** 156.19; CAS [366-18-7]; **Melting Point:** 69.0° to 72.0°C; **Flash Point:** 121°C; **Boiling Point:** 272.0° to 273.0°C; **UN:** 2811

Di-tert-butyl Dicarbonate

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC18977-1000 |

97%; Di-tert-butyl Pyrocarbonate; C₁₀H₁₈O₅; O[CO₂(CH₃)₃]₂; **FW.** 218.25; CAS [24424-99-5]; **Melting Point:** 22.0° to 24.0°C; **Flash Point:** 37°C; **Boiling Point:** 70.0° to 72.0°C; **Density:** 1.0200g/mL; **UN:** 2930

Di-tert-butyl Dicarbonate

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 100g | ---- | AAA1470822 |

Boc Anhydride, Di-tert-butyl Pyrocarbonate; C₁₀H₁₈O₅; **FW.** 218.25; CAS [24424-99-5]; **Melting Point:** 21° to 24°C; **Flash Point:** 37°C (99°F); **Boiling Point:** 56° to 57°C (0.5mmHg); **Transport Hazard Class:** 6.1; **UN:** 2930

3,5-Di-tert-butyl-2-hydroxybenzaldehyde

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAB2383414 |

99%; 3,5-Di-tert-butylsalicylaldehyde; C₁₅H₂₂O₂; **FW.** 234.34; CAS [37942-07-7]; **Melting Point:** 59° to 61°C

2-(Di-tert-butylphosphino)-2',4',6'-triisopropyl-3,6-dimethoxybiphenyl

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 5g | ---- | AAH342206 |

≥97%; tert-Butyl BrettPhos; C₃₁H₄₈O₂P; **FW.** 484.69; CAS [1160861-53-9]

5,5'-Dithiobis-(2-nitrobenzoic Acid)

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC11754-0050 |
| 25g | Glass Bottle | AC11754-0250 |

99%; 3-Carboxy-4-nitrophenyl Disulfide, DTNB, Ellmann's Reagent; C₁₄H₈N₂O₆S₂; **FW.** 396.34; CAS [69-78-3]; **Melting Point:** 240.0° to 245.0°C

Dithiooxamide

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC11755-0050 |

98%; Rubenic Acid; C₂H₄N₂S₂; **FW.** 120.19; CAS [79-40-3]; **Melting Point:** 200°C

1,4-Dithiothreitol

Ultrapure Bioreagent

J.T.Baker

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100g | Poly Bottle | 02002015 |

DTT, Cleland's Reagent; HSCH₂(CHOH)₂CH₂SH; **FW.** 154.25; CAS [3483-12-3]; **Flash Point:** 109.00°C; High purity reagents tested for use in biotechnology applications, such as electrophoresis, and liquid chromatography.

DL-1,4-Dithiothreitol

Molecular Biology Grade

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 10g | Plastic Bottle | AC32719-0100 |

≥99%; threo-1,4-Dimercapto-2,3-butanediol, DTT, Cleland's Reagent; C₄H₁₀O₂S₂; HSCH₂CH(OH)CH(OH)CH₂SH; **FW.** 154.24; CAS [3483-12-3]; **Melting Point:** 38.0° to 43.0°C; **Flash Point:** >110°C; **Boiling Point:** 125.0° to 130.0°C (2.0mmHg); **UN:** 3335

Docetaxel

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 250mg | Glass Bottle | AC45626-2500 |

98%; C₂₂H₃₄NO₁₄; **FW.** 807.89; CAS [114977-28-5]; **Melting Point:** 186° to 192°C

Dodecane

Laboratory Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | 02666-500 |

C₁₂H₂₆; CH₃(CH₂)₁₀CH₃; **FW.** 170.34; CAS [112-40-3]; **Melting Point:** -9.6°C; **Flash Point:** 71°C; **Boiling Point:** 215° to 217°C; **Density:** 5.9 (Air = 1.0);

ChemAlert
Storage Code
GRAY

Dodecane

Pure

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Glass Bottle | AC11759-5000 |

99%; C₁₂H₂₆; CH₃(CH₂)₁₀CH₃; **FW.** 170.34; CAS [112-40-3]; **Melting Point:** -12.0°C; **Flash Point:** 71°C; **Boiling Point:** 215.0° to 217.0°C; **Density:** 0.7530g/mL; **UN:** 2810

n-Dodecane

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500mL | ---- | AAA14834AP |
| 2.5L | ---- | AAA148340F |

Liquid; 99%; C₁₂H₂₆; CH₃(CH₂)₁₀CH₃; **FW.** 170.34; CAS [112-40-3]; **Melting Point:** -10°C; **Flash Point:** 71° (159°F); **Boiling Point:** 215° to 217°C; **Density:** 0.749g/mL

1-Dodecanol



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC15545-0010 |

98%; Dodecyl alcohol, Lauryl Alcohol; $C_{12}H_{26}O$; $CH_3(CH_2)_{11}OH$;
FW. 186.34; **CAS** [112-53-8]; **Melting Point:** 22.0° to 27.0°C;
Flash Point: 119°C; **Boiling Point:** 258.0° to 265.0°C;
Density: 0.8350g/mL; **UN:** 3077

Doxycycline Hyclate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 100g | ---- | AAJ6057922 |

Powder; Hydramycin, Doxycycline Hydrochloride Hemihemihydrate;
 $C_{22}H_{24}N_2O_8 \cdot HCl \cdot 0.5H_2O \cdot 0.5C_2H_6O$; **FW.** 512.94 (503.94
 Anhydrous); **CAS** [24390-14-5]; **Recommended Storage:** 2° to 8°C;
 Pale Yellow

Edetate Disodium

USP



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | POLYSTORMOR | MK1395500 |

$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$; **FW.** 372.24; **CAS** [6381-92-6]

Elaidic Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC11773-0050 |

98%; $C_{18}H_{34}O_2$; $CH_3(CH_2)_7CH=CH(CH_2)_7CO_2H$; **FW.** 282.46;
CAS [112-79-8]; **Melting Point:** 43.0° to 45.0°C; **Flash Point:** >110°C;
Boiling Point: 288.0°C (100.0)

Epichlorohydrin



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10L | Plastic Drum | AC11778-0100 |

99%; 1-Chloro-2,3-epoxypropane; C_3H_5ClO ; **FW.** 92.52;
CAS [106-89-8]; **Melting Point:** -57.0°C; **Flash Point:** 28°C;
Boiling Point: 115.0° to 117.0°C; **Density:** 1.1800g/mL

Ethanolamine

Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | M251-1 |
| 4L | Glass Bottle | M251-4 |

Monoethanolamine, 2-Aminoethanol, 2-Hydroxyethylamine;
 C_2H_7NO ; $HOCH_2CH_2NH_2$; **FW.** 61.08; **CAS** [141-43-5];
Melting Point: 10°C; **Flash Point:** 92°C; **Boiling Point:** 170°C;
Density: 2.1 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 2491

Ethyl Acetoacetate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 2.5kg | ---- | AAA125440E |

Liquid; $\geq 99\%$; $CH_3COCH_2CO_2CH_2CH_3$; **FW.** 130.14; **CAS** [141-97-9];
Melting Point: -43°C; **Flash Point:** 84°C; **Boiling Point:** 180° to 181°C;
Density: 1.025

Ethyl Cinnamate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500g | ---- | AAA1290636 |

Cinnamic Acid Ethyl Ester; $C_{11}H_{12}O_2$; **FW.** 176.22; **CAS** [103-36-6];
Melting Point: 7°C; **Flash Point:** 135°C (275°F);
Boiling Point: 270° to 272°C

N-Ethyl-diisopropylamine

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 100mL | ---- | AAA11801AE |
| 500mL | ---- | AAA11801AP |
| 2500mL | ---- | AAA118010F |

Liquid; 99%; $[(CH_3)_2CH]_2NCH_2CH_3$; **FW.** 129.25; **CAS** [7087-68-5];
Melting Point: > -50°C; **Flash Point:** 8°C; **Boiling Point:** 126° to 127°C;
Density: 0.747g/mL

Edetate Disodium

Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | E179-4 |

2-Butoxyethanol, Butyl Cellosolve™; $C_8H_{18}O_2$;
 $HOCH_2CH_2O(CH_2)_3CH_3$; **FW.** 118.18; **CAS** [111-76-2];
Melting Point: -70°C; **Boiling Point:** 171°C; **Density:** 0.9g/mL;
DOT Class 6.1: Poison; **UN:** 2810

ChemAlert®
Storage Code
BLUE

Ethylene Glycol Monomethyl Ether

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | E182-500 |
| 4L | Glass Bottle | E182-4 |

2-Methoxyethanol, Methyl Cellosolve™; $C_3H_8O_2$;
 $HOCH_2CH_2OCH_3$; **FW.** 76.09; **CAS** [109-86-4];
Melting Point: -85°C (-121°F); **Flash Point:** 40°C;
Boiling Point: 124°C; **Density:** 0.96g/mL;
DOT Class 3: Flammable Liquid; **UN:** 1188
 Suitable for use in amino acid analysis.

ChemAlert®
Storage Code
RED

[Ethylenebis-(oxyethylenenitrilo)]-Tetraacetic Acid

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | O2783-100 |

>98%; EGTA, Ethyleneglycol Bis(aminoethylether) Tetraacetic
 Acid; $C_{14}H_{24}N_4O_{10}$; $(HOOCCH_2)_2N(CH_2CH_2O)_2CH_2CH_2N(CH_2COOH)_2$;
FW. 380.35; **CAS** [67-42-5]; **Melting Point:** 240° to 245°C

ChemAlert®
Storage Code
GRAY

Ethylenediamine, Anhydrous

Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | E479-500 |

98 to 101%; 1,2-Diaminoethane, 1,2-Ethanediamine; $C_2H_8N_2$;
 $NH_2CH_2CH_2NH_2$; **FW.** 60.1; **CAS** [107-15-3];
Melting Point: 8.5°C; **Flash Point:** 35°C; **Boiling Point:** 118°C;
Density: 0.9g/mL; **DOT Class 8:** Corrosive; **UN:** 1604

ChemAlert®
Storage Code
RED

Ethylenediamine Tetraacetic Acid

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | E478-500 |
| 1kg | Glass Bottle | E478-1 |

99.4 to 100.6%; EDTA, (Ethylenedinitrilo)tetraacetic Acid;
 $C_{10}H_{16}N_2O_8$; $(HOOCCH_2)_2NCH_2CH_2N(CH_2COOH)_2$; **FW.** 292.25;
CAS [60-00-4]; **Melting Point:** 220°C; **Density:** 0.86g/mL

ChemAlert®
Storage Code
GRAY

Ethylenediaminetetraacetic Acid

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500mL | ---- | AAJ60292AP |

Liquid; EDTA; $C_{10}H_{16}N_2O_8$; $(HO_2CCH_2)_2NCH_2CH_2N(CH_2CO_2H)_2$; **F.W.** 292.24; CAS [60-00-4]; 0.5M aq. soln.

Ethylenediaminetetraacetic Acid Dipotassium Salt Dihydrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500g | ---- | AAL1184236 |

99%; EDTA dipotassium salt dihydrate; $C_{10}H_{14}K_2N_2O_8 \cdot 2H_2O$; **F.W.** 404.46 (368.43, Anhydrous); CAS [25102-12-9]; **Melting Point:** ~272°C

Ethylenediamine Tetraacetic Acid Disodium Salt Dihydrate USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S312-500 |
| 2.5kg | Poly Bottle | S312-212 |

White Crystalline Powder; EDTA Disodium Salt, Sodium (Di) Ethylenediamine Tetraacetate Dihydrate; $C_{10}H_{14}N_2Na_2O_{10} \cdot 2H_2O$; **F.W.** 372.24; CAS [6381-92-6]; **Melting Point:** 252°C



Ethylenediamine Tetraacetic Acid Disodium Salt Dihydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | S311-100 |
| 500g | Poly Bottle | S311-500 |
| 3kg | Poly Bottle | S311-3 |
| 10kg | Poly Pail | S311-10 |
| 50kg | Fiber Drum | S311-50KG |

Crystalline; 99.0 to 101.0%; Sodium (Di) Ethylenediamine Tetraacetate Dihydrate, EDTA Disodium Salt, (Ethylenedinitrilo)tetraacetic Acid Disodium Salt Dihydrate; $C_{10}H_{14}N_2Na_2O_{10} \cdot 2H_2O$; $(HO_2CCH_2)_2NCH_2CH_2N(CH_2CO_2Na)_2 \cdot 2H_2O$; **F.W.** 372.24; CAS [6381-92-6]; **Melting Point:** 252°C



Ethylenediamine Tetraacetic Acid Disodium Salt Dihydrate Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | 02793-500 |

Crystalline; ≥95%; EDTA Disodium Salt; $C_{10}H_{14}N_2Na_2O_{10} \cdot 2H_2O$; $(HO_2CCH_2)_2NCH_2CH_2N(CH_2CO_2Na)_2 \cdot 2H_2O$; **F.W.** 372.24; CAS [6381-92-6]; **Melting Point:** 252°C



EDTA Disodium Salt BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | 02002786 |

$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$; **F.W.** 372.24; CAS [6381-92-6]; Dihydrate; Crystal Meets USP Requirements

EDTA Disodium Salt ACS Grade, ISO, EP



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | MEX05391 |
| 2.5kg | Poly Bottle | MEX05395 |

Disodium dihydrogen ethylenediaminetetraacetate, Ethylenediaminetetraacetic acid disodium salt; $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$; $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$; **F.W.** 372.24; CAS [6381-92-6]

EDTA Tetrasodium Salt BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | 02002779 |

$C_{10}H_{12}N_2Na_4O_8 \cdot 2H_2O$; **F.W.** 416.21; CAS [10378-23-1]; Dihydrate

EDTA Tetrasodium Salt



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 500g | Plastic Bottle | MEX05505 |

White Crystals or Crystalline Powder; 99.0% min.; Ethylenedinitrilo)tetraacetic Acid, Tetrasodium Salt; $(NaOOCCH_2)_2NCH_2CH_2N(CH_2COONa)_2 \cdot 2H_2O$; **F.W.** 416.23; CAS [10378-23-1]

2-Ethylhexylamine



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5L | Glass Bottle | AC27166-0025 |

99%; $C_8H_{18}N$; $CH_3(CH_2)_5CH(CH_2H_5)CH_2NH_2$; **F.W.** 129.25; CAS [104-75-6]; **Melting Point:** -76.0°C; **Flash Point:** 50°C; **Boiling Point:** 169.0°C; **Density:** 0.7800g/mL; **UN:** 2276

Flecainide Acetate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 1g | ---- | AAJ6352703 |

Powder; 98%; N-(2-Piperidylmethyl)-2,5-bis-(2,2,2-trifluoroethoxy) Benzamide Acetate Salt; $C_{17}H_{20}F_6N_2O_3 \cdot C_2H_4O_2$; **F.W.** 474.40; CAS [54143-56-5]; **Melting Point:** 145° to 147°C; Sodium channel blocker.

Fluconazole



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1g | Glass Bottle | AC45548-0010 |
| 5g | Glass Bottle | AC45548-0050 |

98%; 2-(2,4-Difluorophenyl)-1,3-bis(1H-1,2,4-triazol-1-yl)propan-2-ol; $C_{13}H_{12}F_2N_4O$; **F.W.** 306.27; CAS [86386-73-4]; **Melting Point:** 137° to 141°C

2-Fluoroquinoline-3-boronic Acid

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAL2034106 |

$C_8H_7BFNO_2$; **F.W.** 190.97; CAS [745784-10-5]; **Melting Point:** 89° to 94°C

Formaldehyde ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 3.78L | Plastic Bottle | MFX04101 |

Liquid; 36.5 to 38%; Formalin; HCHO; **F.W.** 30.03; CAS [50-00-0]

Formamide ACS Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1kg | ---- | AA14835A1 |

Liquid; ≥99.5%; CH_3NO ; HCONH₂; **F.W.** 45.04; CAS [75-12-7]; **Melting Point:** 2°C; **Flash Point:** 154° (310°F); **Boiling Point:** 210°C; **Density:** 1.134g/mL

D-Fructose

Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | L95-500 |

Crystalline; Levulose, Fruit Sugar, β -D-Fructose; $C_6H_{12}O_6$; **F.W.** 180.16; CAS [57-48-7]; **Melting Point:** 103° to 105°C (dec)

ChemAlert®
Storage Code
GRAY

D-Fructose

USP



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | L96-500 |
| 2.5kg | Poly Bottle | L96-212 |

Crystalline; Levulose, Fruit Sugar, β -D-Fructose; $C_6H_{12}O_6$; **F.W.** 180.16; CAS [57-48-7]; **Melting Point:** 103° to 105°C (dec)

ChemAlert®
Storage Code
GRAY

D(-)-Fructose



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 5kg | Plastic Bottle | AC45196-0050 |

$C_6H_{12}O_6$; **F.W.** 180.16; CAS [57-48-7]; **Melting Point:** 103.0° to 105.0°C

Furfural

Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | F94-500 |

Ant Oil, Pyromucic Aldehyde, 2-Furaldehyde, 2-Furancarboxaldehyde, Furof; $C_5H_4O_2$; **OCH:CHCH:CCHO**; **F.W.** 96.09; CAS [98-01-1]; **Melting Point:** -36°C (-33°F); **Flash Point:** 60°C; **Boiling Point:** 162°C; **Density:** 1.16g/mL; **DOT Class 6.1:** Poison; **UN:** 1199

ChemAlert®
Storage Code
RED

Geraniol



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5kg | Glass Bottle | AC41090-0025 |

99%; (2E)-3,7-Dimethyl-2,6-octadien-1-ol; $C_{10}H_{18}O$; **(CH₃)₂C=CHCH₂CH₂C(CH₃)=CHCH₂OH**; **F.W.** 154.25; CAS [106-24-1]; **Melting Point:** -15.0°C; **Flash Point:** 76°C; **Boiling Point:** 229.0° to 230.0°C (757.0mmHg); **Density:** 0.8780g/mL

D(+)-Glucose

ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC41095-5000 |
| 1kg | Plastic Bottle | AC41095-0010 |

Dextrose; $C_6H_{12}O_6$; **F.W.** 180.16; CAS [50-99-7]; **Melting Point:** 146.0°C

D(+)-Glucose Monohydrate

Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 1kg | Plastic Bottle | AC45074-0010 |

≥99%; $C_6H_{12}O_6 \cdot H_2O$; **F.W.** 198.17; CAS [14431-43-7]

L(+)-Glutamic Acid

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | A125-100 |

Powder; ≥99%; alpha-Aminoglutaric Acid, Glutaminol, Glutaton; $C_5H_9NO_4$; **HOOCCHNH₂CH₂COOH**; **F.W.** 147.13; CAS [56-86-0]; **Melting Point:** 205°C; **Density:** 1.54g/mL

ChemAlert®
Storage Code
GRAY

DL-Glyceraldehyde Dimer



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC45071-0050 |

95%; $C_6H_{12}O_6$; **F.W.** 180.16; CAS [51795-26-7]; **Melting Point:** 138°C

Glycerin

Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC148502 |

Liquid; Glycerol; **HOCH₂CH(OH)CH₂OH**; **F.W.** 92.09; CAS [56-81-5]; **Melting Point:** 20°C; **Flash Point:** 160°C; **Boiling Point:** 182°C; **Density:** 1.2613g/mL

Glycerol

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | G33-500 |
| 1L | Glass Bottle | G33-1 |
| 4L | Glass Bottle | G33-4 |
| 20L | Poly Pail | G33-20 |
| 200L | Poly Drum | G33-200 |

≥99.5%; Glycerin, 1,2,3-Propanetriol; $C_3H_8O_3$; **HOCH₂CH(OH)CH₂OH**; **F.W.** 92.09; CAS [56-81-5]; **Melting Point:** 18°C (64°F); **Flash Point:** 160°C; **Boiling Point:** 290°C (554°F); **Density:** 3.17 (Water = 1.0)

ChemAlert®
Storage Code
GRAY

Glycerol

USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | G31-500 |
| 1L | Glass Bottle | G31-1 |
| 4L | Glass Bottle | G31-4 |
| 20L | Poly Pail | G31-20 |
| 200L | Poly Drum | G31-200 |

Clear, Colorless; Glycerin, 1,2,3-Propanetriol; $C_3H_8O_3$; **HOCH₂CH(OH)CH₂OH**; **F.W.** 92.1; CAS [56-81-5]; **Melting Point:** 20°C; **Flash Point:** 160°C; **Boiling Point:** 290°C; **Density:** 3.17 (Water = 1.0)

ChemAlert®
Storage Code
GRAY

Glycerol

USP/FCC/EP/BP



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | G30-4 |
| 200L | Poly Drum | G30-200 |

Clear, Colorless; Glycerin, 1,2,3-Propanetriol; $C_3H_8O_3$; **CH₂OHCHOHCH₂OH**; **F.W.** 92.1; CAS [56-81-5]; **Melting Point:** 20°C; **Flash Point:** 160°C; **Boiling Point:** 290°C; **Density:** 3.17 (Water = 1.0)

ChemAlert®
Storage Code
GRAY

Glycerol

Spectranalyzed™



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | G153-1 |
| 4L | Glass Bottle | G153-4 |

≥99.5 %; Glycerin, 1,2,3-Propanetriol; $C_3H_8O_3$; **HOCH₂CH(OH)CH₂OH**; **F.W.** 92.09; CAS [56-81-5]; **Melting Point:** 20°C; **Flash Point:** 160°C; **Boiling Point:** 290°C; **Density:** 3.17 (Water = 1.0)
Also meets ACS specifications

ChemAlert®
Storage Code
GRAY

Glycerol ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | MGX01856 |
| 4L | Glass Bottle | MGX01855 |
| 20L | Metal Can | MGX01853 |

Clear Colorless Liquid; 99.5% min.; Glycerin; **Density:** 1.26kg/L; $\text{CH}_2\text{OHCHOHCH}_2\text{OH}$; **FW:** 92.09; CAS [56-81-5]; **Melting Point:** 17.8°C (64°F); **Flash Point:** 159.9°C (319.8°F); **Boiling Point:** 290.05 °C (554.1 °F)

Glycerol Spectrophotometric Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA32450K2 |
| 4L | ---- | AA32450K7 |

Colorless Viscous Liquid; $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{OH}$; **FW:** 92.09; CAS [56-81-5]; **Melting Point:** 18°C (64°F); **Flash Point:** 160°C; **Boiling Point:** 182°C (360°F); **Density:** 1.26g/cm³; Colorless

Glycerol



| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500mL | ---- | AAA16205AP |

Glycerin, 1,2,3-Propanetriol; $\text{C}_3\text{H}_8\text{O}_3$; $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{OH}$; **FW:** 92.09; CAS [56-81-5]; **Melting Point:** 18°C; **Flash Point:** 160°C (320°F); **Boiling Point:** 182°C (20mmHg)

Glycerol Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|-------------------|--------------|
| 1L | Glass Bottle | AC15892-0010 |
| 2.5L | Glass Bottle | AC15892-0025 |
| 25L | Plastic Jerry Can | AC15892-0250 |

≥99%; Glycerine; $\text{C}_3\text{H}_8\text{O}_3$; $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{OH}$; **FW:** 92.09; CAS [56-81-5]; **Melting Point:** 18.0°C; **Flash Point:** 160°C; **Boiling Point:** 290.0°C; **Density:** 1.2610g/mL

Glycerol Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10L | Plastic Drum | AC33203-0100 |

≥99%; Glycerine; $\text{C}_3\text{H}_8\text{O}_3$; $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{OH}$; **FW:** 92.09; CAS [56-81-5]; **Melting Point:** 18.0°C; **Flash Point:** 160°C; **Boiling Point:** 290.0°C; **Density:** 1.2610g/mL

Glycerol BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02002935 |

$\text{HOCH}_2\text{CHOHCH}_2\text{OH}$; **FW:** 92.1; CAS [56-81-5]; **Flash Point:** 199.00°C; **Density:** 1.257g/mL at 25°C (typical); Anhydrous Meets ACS Reagent Chemical Requirements

Glycerol Ultrapure Bioreagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | 02002936 |

$\text{HOCH}_2\text{CHOHCH}_2\text{OH}$; **FW:** 92.1; CAS [56-81-5]; **Flash Point:** 199.00°C; Anhydrous

Glycerol ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Plastic Drum | AC41098-5000 |

99.6%; Glycerine; $\text{C}_3\text{H}_8\text{O}_3$; $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{OH}$; **FW:** 92.09; CAS [56-81-5]; **Melting Point:** 18.0°C; **Flash Point:** 160°C; **Boiling Point:** 290.0°C; **Density:** 1.2610g/mL

Guanidine Hydrochloride Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500g | Glass Bottle | 02983-500 |

≥98%; $\text{CH}_5\text{N}_3\text{HCl}$; $\text{NH}_2\text{C}(\text{:NH})\text{NH}_2\text{HCl}$; **FW:** 95.53; CAS [50-01-1]; **Melting Point:** 179° to 186°C; **Density:** 1.34g/mL



Guanidine Hydrochloride



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 10kg | Poly Pail | MK771687 |
| 12kg | Poly Pail | MK771688 |

$\text{NH}_2\text{C}(\text{:NH})\text{NH}_2\text{HCl}$; **FW:** 95.53; CAS [50-01-1]

Guanidine Hydrochloride



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10kg | Plastic Drum | AC36479-0100 |

99.5%; $\text{CH}_5\text{N}_3\text{HCl}$; $\text{H}_2\text{NC}(\text{=NH})\text{NH}_2\text{HCl}$; **FW:** 95.53; CAS [50-01-1]; **Melting Point:** 178.0° to 188.0°C

Guanidine Hydrochloride



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC12023-0025 |

98%; $\text{CH}_5\text{N}_3\text{HCl}$; $\text{H}_2\text{NC}(\text{=NH})\text{NH}_2\text{HCl}$; **FW:** 95.53; CAS [50-01-1]; **Melting Point:** 179.0° to 186.0°C; **Density:** 1.3400g/mL

Guanidine Hydrochloride



| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 1kg | ---- | AAJ60786A1 |

Powder; $\text{CH}_5\text{N}_3\text{HCl}$; **FW:** 95.53; CAS [50-01-1]; **Melting Point:** 185° to 188°C; **Density:** 1.344g/mL; White

L(+)-Gulonic Acid γ-Lactone



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC25557-1000 |

≥95%; $\text{C}_8\text{H}_{10}\text{O}_5$; **FW:** 178.14; CAS [1128-23-0]; **Melting Point:** 183.0° to 185.0°C

n-Heptadecane



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA3155136 |

Low Melting Solid; 99%; $\text{CH}_3(\text{CH}_2)_{15}\text{CH}_3$; **FW:** 240.48; CAS [629-78-7]; **Melting Point:** 22°C; **Boiling Point:** 302°C; **Density:** 0.778g/mL

Heptafluorobutyric Acid

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|--|----------|--------------|--------------|
| | 100mL | Glass Bottle | AC41122-1000 |
| 99%; HFBA; C ₄ H ₂ F ₇ O ₂ ; CF ₃ CF ₂ CF ₂ CO ₂ H; FW. 214.04; CAS [375-22-4]; Melting Point: -17.5°C; Boiling Point: 120.0°C (755.0mmHg); Density: 1.6400g/mL; UN: 3265 | | | |

2,2,4,4,6,8,8-Heptamethylnonane

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|--|----------|--------------|--------------|
| | 1L | Glass Bottle | AC15625-0010 |
| 98%; HMN; C ₁₈ H ₃₄ ; (CH ₃) ₂ CCH ₂ CH(CH ₃)CH ₂ C(CH ₃) ₂ CH ₂ C(CH ₃) ₂ ; FW. 226.44; CAS [4390-04-9]; Flash Point: 95°C; Boiling Point: 240.0°C; Density: 0.7900g/mL | | | |

1-Heptanesulfonic Acid Sodium Salt

HPLC Grade

| F | Quantity | Packaging | Cat. No. |
|--|----------|--------------|----------|
| | 25g | Glass Bottle | 03013-25 |
| White Powder; ≥98%; C ₇ H ₁₅ O ₃ S·Na; CH ₃ (CH ₂) ₆ SO ₃ Na; FW. 202.24; CAS [22767-50-6]; Melting Point: >300°C | | | |

ChemAlert®
Storage Code
GRAY

1-Heptanesulfonic Acid Sodium Salt

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|--|----------|--------------|--------------|
| | 500g | Glass Bottle | AC20613-5000 |
| 98%; C ₇ H ₁₅ NaO ₃ S; CH ₃ (CH ₂) ₆ SO ₃ Na; FW. 202.25; CAS [22767-50-6]; Melting Point: >300.0°C | | | |

1-Heptanesulfonic Acid Sodium Salt

HPLC Grade

| J.T.Baker® | Quantity | Packaging | Cat. No. |
|---|----------|-------------------------------|----------|
| | 25g | Wide Mouth Amber Glass Bottle | 02002040 |
| | 500g | Wide Mouth Amber Glass Bottle | 02002041 |
| CH ₃ (CH ₂) ₆ SO ₃ Na; FW. 202.26; CAS [22767-50-6] | | | |

1-Heptanesulfonic Acid Sodium Salt Monohydrate

| M | Quantity | Packaging | Cat. No. |
|---|----------|----------------|----------|
| | 100g | Plastic Bottle | MHX01013 |
| White Crystalline Solid; 99% min.; C ₇ H ₁₅ NaO ₃ S; FW. 22.24; CAS [22767-50-6]; Melting Point: >3°C; LiChropur™, For Ion Pair Chromatography | | | |

1-Heptanesulfonic Acid Sodium Salt Monohydrate

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|--|----------|--------------|--------------|
| | 25g | Glass Bottle | AC41127-0250 |
| | 100g | Glass Bottle | AC41127-1000 |
| White Powder or Flakes; C ₇ H ₁₅ NaO ₃ S·H ₂ O; CH ₃ (CH ₂) ₆ SO ₃ Na·H ₂ O; FW. 220.27; CAS [207300-90-1]; Melting Point: >300°C | | | |

Hexadecane

Certified ACS

| F | Quantity | Packaging | Cat. No. |
|--|----------|--------------|-----------|
| | 500mL | Glass Bottle | 03035-500 |
| C ₁₆ H ₃₄ ; CH ₃ (CH ₂) ₁₄ CH ₃ ; FW. 226.45; CAS [544-76-3]; Melting Point: 18°C (64°F); Flash Point: 135°C; Boiling Point: 287°C; Density: 7.8 (Air = 1) | | | |

ChemAlert®
Storage Code
GRAY

n-Hexadecane

| Alfa Aesar | Quantity | Packaging | Cat. No. |
|---|----------|-----------|------------|
| | 500mL | ---- | AAA10322AP |
| | 2500mL | ---- | AAA103220F |
| 99%; CH ₃ (CH ₂) ₁₄ CH ₃ ; FW. 226.45; CAS [544-76-3] | | | |

n-Hexadecane

Pure

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|---|----------|--------------|--------------|
| | 500mL | Glass Bottle | AC12046-5000 |
| | 10L | Metal Drum | AC12046-0100 |
| 99%; C ₁₆ H ₃₄ ; CH ₃ (CH ₂) ₁₄ CH ₃ ; FW. 226.44; CAS [544-76-3]; Melting Point: 18.0°C; Flash Point: 135°C; Boiling Point: 287.0°C; Density: 0.7730g/mL | | | |

Hexadecyltrimethylammonium Bromide

Technical Grade

| F | Quantity | Packaging | Cat. No. |
|--|----------|-------------|-----------|
| | 500g | Poly Bottle | 03042-500 |
| White Powder; CETAB, Cetyltrimethylammonium Bromide, Cetrimonium Bromide; C ₁₉ H ₄₂ BrN; CH ₃ (CH ₂) ₁₅ N(CH ₃) ₃ Br; FW. 364.46; CAS [57-09-0]; Melting Point: 250°C; Flash Point: 244°C; DOT Class 8: Corrosive; UN: 3261 | | | |

ChemAlert®
Storage Code
BLUE

Hexaethylene Glycol

| Alfa Aesar | Quantity | Packaging | Cat. No. |
|---|----------|-----------|------------|
| | 25g | ---- | AAL0216114 |
| 96%; H(OCH ₂ CH ₂) ₆ OH; FW. 282.33; CAS [2615-15-8]; Melting Point: 5° to 7°C; Flash Point: >110°C (230°F); Boiling Point: 216° to 217°C (4mmHg) | | | |

Hexafluorobenzene

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|--|----------|--------------|--------------|
| | 500mL | Glass Bottle | AC12054-5000 |
| Clear Colorless to Slightly Yellow Liquid; 99%; Perfluorobenzene; C ₆ F ₆ ; FW. 186.06; CAS [392-56-3]; Melting Point: 3.7° to 4.1°C; Flash Point: 10°C; Boiling Point: 81.0° to 82.0°C (743.0 mmHg); Density: 1.6120g/mL; UN: 1993 | | | |

1,1,1,3,3,3-Hexafluoro-2-propanol

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|---|----------|--------------|--------------|
| | 250mL | Glass Bottle | AC44582-2500 |
| 99%; HFIP, 1,1,1,3,3,3-Hexafluoroisopropanol; C ₃ H ₂ F ₆ O; (CF ₃) ₂ CHOH; FW. 168.04; CAS [920-66-1]; Melting Point: -4.0°C; Flash Point: >100°C; Boiling Point: 59.0°C; Density: 1.5960g/mL | | | |

1,1,1,3,3,3-Hexafluoro-2-propanol

Pure

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|--|----------|--------------|--------------|
| | 25g | Glass Bottle | AC14754-0250 |
| | 100g | Glass Bottle | AC14754-1000 |
| ≥99.5%; HFIP, 1,1,1,3,3,3-Hexafluoroisopropanol; C ₃ H ₂ F ₆ O; (CF ₃) ₂ CHOH; FW. 168.04; CAS [920-66-1]; Melting Point: -4.0°C; Flash Point: >100°C; Boiling Point: 59.0°C; Density: 1.5960g/mL; UN: 3265 | | | |

Hexamethylcyclotrisiloxane



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500g | Glass Bottle | AC21646-5000 |

98%; C₆H₁₈O₃Si₃; **FW.** 222.47; **CAS** [541-05-9];
Melting Point: 63.0° to 67.0°C; **Flash Point:** 35°C;
Boiling Point: 134.0°C; **UN:** 1325

1,1,1,3,3,3-Hexamethyldisilazane



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 1L | AcroSeal™ Glass Bottle | AC43085-0010 |

98%; HMDS; C₆H₁₈NSi₂(CH₃)₅SiNHSi(CH₃)₃; **FW.** 161.40; **CAS** [999-97-3];
Melting Point: -78.0°C; **Flash Point:** 20°C; **Boiling Point:** 125.0°C;
Density: 0.7600g/mL; **UN:** 3286

1,1,1,3,3,3-Hexamethyldisilazane



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5L | Glass Bottle | AC12058-0025 |

98%; HMDS; C₆H₁₈NSi₂(CH₃)₅SiNHSi(CH₃)₃; **FW.** 161.40; **CAS** [999-97-3];
Melting Point: -78.0°C; **Flash Point:** 20°C; **Boiling Point:** 125.0°C;
Density: 0.7600g/mL

Hexamethylenetetramine

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | H288-500 |

≥99.0%; Methenamine, Formin, HMT (HMTA), Hexamine, Aminoforn, Hexamethylenamine; C₆H₁₂N₄; **FW.** 140.19;
CAS [100-97-0]; **Melting Point:** 263°C (sublimes);
Density: 1.33g/mL; **DOT Class 4.1:** Flammable Solid; **UN:** 1328



1-Hexanesulfonic Acid Sodium Salt

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|----------|
| 25g | Wide Mouth Amber Glass Bottle | 02002042 |
| 500g | Wide Mouth Amber Glass Bottle | 02002043 |

CH₃(CH₂)₅SO₃Na; **FW.** 188.22; **CAS** [2832-45-3]

Sodium 1-Hexanesulfonate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAA1327814 |

99%; 1-Hexanesulfonic Acid Sodium Salt; CH₃(CH₂)₅SO₃Na;
FW. 188.22; **CAS** [2832-45-3]; **Melting Point:** >300°C

1-Hexanesulfonic Acid Sodium Salt

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | 03072-25 |

≥98%; Sodium Hexanesulfonate; CH₃(CH₂)₅SO₃Na; **FW.** 188.22;
CAS [2832-45-3]; **Melting Point:** >300°C



1-Hexanesulfonic Acid Sodium Salt Monohydrate



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 100g | Plastic Bottle | MHX01023 |

99% min.; C₆H₁₃NaO₅S; **FW.** 188.22; **CAS** [2832-45-3];
Recommended Storage: Store at +5°C to +30°C; LiChropur™, For Ion Pair Chromatography

n-Hexatriacontane

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 50g | ---- | AA3164118 |

Wax; ≥97%; CH₃(CH₂)₃₄CH₃; **FW.** 506.95; **CAS** [630-06-8];
Melting Point: 76.2°C; **Boiling Point:** 497°C; **Density:** 0.779g/mL;
 Off-white

1-Hexene



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 1L | AcroSeal™ Glass Bottle | AC12075-0010 |

99%; C₆H₁₂; CH₃(CH₂)₃CH=CH₂; **FW.** 84.15; **CAS** [592-41-6];
Melting Point: -140.0°C; **Flash Point:** -26°C;
Boiling Point: 62.0° to 65.0°C; **Density:** 0.6780g/mL; **UN:** 2370

Hydrazine Monohydrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA1665122 |

Liquid; ≥99%; H₂N₂·H₂O; H₂NNH₂·H₂O; **FW.** 50.06 (32.05, Anhydrous);
CAS [7803-57-8]; **Melting Point:** -52°C; **Flash Point:** 75° (167°F);
Boiling Point: 120° to 121°C; **Density:** 1.027g/mL;
Transport Hazard Class: 8; **UN:** 2030

Hydrazine Monohydrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 2kg | ---- | AA16651A3 |

Liquid; ≥99%; H₂N₂·H₂O; H₂NNH₂·H₂O; **FW.** 50.06 (32.05, Anhydrous);
CAS [7803-57-8]; **Melting Point:** -52°C; **Flash Point:** 75° (167°F);
Boiling Point: 120° to 121°C; **Density:** 1.027g/mL;
Transport Hazard Class: 8; **UN:** 2030; Colorless

Hydrazine Sulfate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | H320-500 |

Powder; ≥99.0%; HH₂N₂·H₂SO₄; NH₂NH₂·H₂SO₄; **FW.** 130.12;
CAS [10034-93-2]; **Melting Point:** 253.9°C; **Density:** 1.4g/mL;
DOT Class 8: Corrosive; **UN:** 3260



Hydrindantin Dihydrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 100g | ---- | AAA1246222 |

98%; 2,2',3,3',3',3'-Hexahydroxy-2,2'-biindan-1,1'-dione; C₁₈H₁₀O₆·2H₂O;
FW. 358.30 (322.27 Anhydrous); **CAS** [5950-69-6];
Melting Point: ≈250°C (dec.)

Hydrogen Peroxide, 30% w/w

ACS



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 1L | Plastic Bottle | MHX06352 |
| 2.5L | Plastic Bottle | MHX06356 |

29.0-32.0%; H₂O₂ in water; **FW.** 34.02; **CAS** [7722-84-1];
Melting Point: -33°C; **Boiling Point:** 108°C; **Density:** 1.11kg/L
 Clear Colorless Liquid

Hydroquinone Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | H329-500 |

Crystalline; 1,4-Benzenediol, Hydroquinone, p-Dihydroxybenzene; $C_6H_6O_2$; 1,4-HOC₆H₄OH; F.W. 110.11; CAS [123-31-9]; **Melting Point:** 170° to 174°C; **Boiling Point:** 285° to 287°C; **Density:** 1.32g/mL; **DOT Class 6.1:** Poison; **UN:** 2662



8-Hydroxyquinoline Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | 0261-500 |

Oxine, Oxyquinoline, 8-Quinololin, Oxichinolin, Hydroxybenzopyridine; C_8H_7NO ; HOC₆H₃N:CHCH:CH; F.W. 145.16; CAS [148-24-3]; **Melting Point:** 72° to 74°C (161.6° to 165.2°F); **Boiling Point:** 267°C at 752 mmHg



Hydroxylamine Hydrochloride ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA3641636 |

Solid; >96%; H₂NO-HCl; F.W. 69.49; CAS [5470-11-1]; **Melting Point:** 152°C; **Density:** 1.67g/cm³ at 20°C; **UN:** 2923; White; A monoamine oxidase inhibitor; inhibits platelet aggregation

Hydroxylamine Hydrochloride Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100g | Poly Bottle | H330-100 |
| 500g | Poly Bottle | H330-500 |
| 1kg | Poly Bottle | H330-1 |

Crystalline; ≥96%; Oxammonium Hydrochloride; H₃NO-HCl; NH₂OH-HCl; F.W. 69.49; CAS [5470-11-1]; **Melting Point:** 155° to 158°C (311° to 316.4°F); **Boiling Point:** 305.6°C; **Density:** 1.67g/mL; **DOT Class 8:** Corrosive; **UN:** 2923; Suitable for Mercury Determination



Imidazole Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | 03196-500 |

>99%; Glyoxaline, 1,3-Diazole; C₃H₄N₂; NHCH:NCH:CH; F.W. 68.08; CAS [288-32-4]; **Melting Point:** 86° to 90°C (186.8° to 194°F); **Flash Point:** 145°C; **Boiling Point:** 255° to 256°C; **DOT Class 8:** Corrosive; **UN:** 3263



Imidazole



| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500g | ---- | AAA1022136 |

99%; Glyoxaline; C₃H₄N₂; F.W. 68.08; CAS [288-32-4]; **Melting Point:** 88° to 92°C; **Flash Point:** 145°C; **Boiling Point:** 256°C; **Density:** 1.03g/mL

Imidazole



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 100g | Plastic Bottle | AC12202-1000 |
| 500g | Plastic Bottle | AC12202-5000 |
| 2kg | Plastic Bottle | AC12202-0020 |
| 10kg | Plastic Drum | AC12202-0100 |

99%; C₃H₄N₂; F.W. 68.08; CAS [288-32-4]; **Melting Point:** 86.0° to 90.0°C; **Flash Point:** 145°C; **Boiling Point:** 255.0° to 256.0°C

Hydroxylamine Hydrochloride BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | 02003092 |

Crystal; NH₂OH-HCl; F.W. 69.49; CAS [5470-11-1]

Hydroxylamine Sulfate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | H331-500 |

Crystalline; ≥99%; Oxammonium Sulfate; H₃N₂O₆S; (NH₂OH)₂·H₂SO₄; F.W. 164.14; CAS [10039-54-0]; **Melting Point:** 170°C; **Density:** 1.7g/mL; **DOT Class 8:** Corrosive; **UN:** 2865



Hydroxypropyl-β-cyclodextrin



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC29756-0250 |
| 100g | Glass Bottle | AC29756-1000 |

97%; CAS [128446-35-5]; **Melting Point:** 278.0°C

2-Hydroxypyridine-N-oxide



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500g | Glass Bottle | AC24379-5000 |

97%; 2-Pyridinol 1-oxide; C₅H₅NO₂; F.W. 111.1; CAS [13161-30-3]; **Melting Point:** 147° to 152°C; **Flash Point:** 100°C

Imidazole



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Glass Bottle | AC25009-5000 |

98%; Dodecyl Iodide; C₁₂H₂₅I; CH₃(CH₂)₁₁I; F.W. 296.23; CAS [4292-19-7]; **Melting Point:** -3.0°C; **Flash Point:** >110°C; **Boiling Point:** 159.0° to 160.0°C (15.0mmHg); **Density:** 1.2000g/mL

2-Iminothiolane Hydrochloride



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 250mg | Glass Bottle | AC45018-2500 |

98%; C₄H₇NS·ClH; F.W. 137.63; CAS [4781-83-3]

Iodoacetic Anhydride



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1g | Glass Bottle | AC30759-0010 |

Yellow Crystalline Powder; 97%; C₄H₄I₂O₃; (ICH₂CO)₂O; F.W. 353.88; **Melting Point:** 43.0°C to 49.0°C; **Flash Point:** >110°C; **UN:** 3261

1-Iododecane



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500g | Glass Bottle | AC33036-5000 |

98%; Decyl Iodide; $C_{10}H_{21}I$; $CH_3(CH_2)_9I$; **FW.** 268.17; **CAS** [2050-77-3]; **Flash Point:** 96°C; **Boiling Point:** 124.0°C (11.0mmHg); **Density:** 1.2500g/mL

Iodomethane



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC12237-1000 |
| 500g | Glass Bottle | AC12237-5000 |

99%; Methyl Iodide; CH_3I ; **FW.** 141.94; **CAS** [74-88-4, 7440-50-8]; **Melting Point:** -66.0°C; **Boiling Point:** 42.5°C; **Density:** 2.2800g/mL

4-Iodo-2-pyridone



| Quantity | Packaging | Cat. No. |
|----------|--------------------|-----------|
| 1g | Amber Glass Bottle | M007919DA |

97+%; C_5H_4INO ; **FW.** 220.99; **CAS** [858839-90-4]; **Melting Point:** 186.0 to 188.0°C

3-Iodothiophene



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC44338-0050 |

97%; C_4H_3IS ; **FW.** 210.03; **CAS** [10486-61-0]; **Flash Point:** 72°C; **Boiling Point:** 195.0°C; **Density:** 2.0660g/mL

Iodotrimethylsilane



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 250mL | Glass Bottle | AC18749-2500 |

Clear Colorless to Reddish Liquid; 95 to 97%; Trimethylsilyl iodide; C_3H_9ISi ; $(CH_3)_3SiI$; **FW.** 200.10; **CAS** [16029-98-4]; **Flash Point:** -31°C; **Boiling Point:** 106.0°C; **Density:** 1.4000g/mL; **UN:** 2924

Isoamyl Alcohol

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A393-500 |
| 4L | Glass Bottle | A393-4 |

Clear, Colorless; Isopentyl Alcohol, 3-Methyl-1-butanol, Isobutyl Carbinol; $C_5H_{12}O$; $(CH_3)_2CHCH_2CH_2OH$; **FW.** 88.15; **CAS** [123-51-3]; **Melting Point:** -117°C; **Flash Point:** 43°C; **Boiling Point:** 130°C; **Density:** 3.04 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1105



Isobutanol

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA22908K2 |
| 4L | ---- | AA22908K7 |

Clear Colorless Liquid; >99%; $C_4H_{10}O$; **FW.** 74.12; **CAS** [78-83-1]; **Melting Point:** -108°C (-162°F); **Flash Point:** 28°C; **Boiling Point:** 107° to 108°C (225° to 226°F); **Density:** 0.802g/cm³; **UN:** 1212; Colorless

Isobutyl Alcohol

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | A397-1 |
| 4L | Glass Bottle | A397-4 |

≥99.0%; 2-Methyl-1-Propanol, Isopropylcarbinol, 1-Hydroxymethylpropane; $C_4H_{10}O$; $(CH_3)_2CHCH_2OH$; **FW.** 74.12; **CAS** [78-83-1]; **Melting Point:** -108°C (-162°F); **Flash Point:** 28°C; **Boiling Point:** 107° to 108°C; **Density:** 2.6 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1120



4'-Isobutylacetophenone



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 50g | Glass Bottle | AC44882-0500 |
| 250g | Glass Bottle | AC44882-2500 |

97%; $C_{12}H_{16}O$; $(CH_3)_2CHCH_2C_6H_4COCH_3$; **FW.** 176.26; **CAS** [38861-78-8]; **Flash Point:** 54°C; **Boiling Point:** 107.0°C (2.0mmHg); **Density:** 0.9600g/mL

Isohexane

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC38381-0010 |
| 2.5L | Glass Bottle | AC38381-0025 |

C_6H_{14} ; $CH_3CH_2CH_2CH(CH_3)_2$; **FW.** 86.18; **CAS** [73513-42-5]; **Melting Point:** -154.0°C; **Flash Point:** -23°C; **Boiling Point:** 60.0°C; **Density:** 0.6600g/mL

Isophorone Diisocyanate



| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500g | ---- | AAL1375936 |

98%; 3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl Isocyanate; $C_{12}H_{18}N_2O_2$; **FW.** 222.29; **CAS** [4098-71-9]; **Melting Point:** -60°C; **Flash Point:** 163°C (325°F); **Boiling Point:** 153°C (10mmHg); **Transport Hazard Class:** 6.1

Isopropyl Bromoacetate



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC41281-1000 |

97%; $C_5H_9BrO_2$; $BrCH_2CO_2CH(CH_3)_2$; **FW.** 181.03; **CAS** [29921-57-1]; **Flash Point:** >110°C; **Boiling Point:** 59.0° to 61.0°C (10.0mmHg); **Density:** 1.3990g/mL

Isopropyl Ether

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | E141-500 |
| 4L | Glass Bottle | E141-4 |

2-Isopropoxypropane, Diisopropyl Ether, DIPE; $C_6H_{14}O$; $[(CH_3)_2CH]_2O$; **FW.** 102.18; **CAS** [108-20-3, 128-37-0]; **Melting Point:** -85°C (-121°F); **Flash Point:** -27°C; **Boiling Point:** 68°C; **Density:** 0.73g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1159; BHT stabilized. Low in alcohol and water.



Isopropyl Methanesulfonate

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|--|----------|--------------|--------------|
| | 5g | Glass Bottle | AC41284-0050 |
| Clear Colorless Liquid; 99%; C ₄ H ₁₀ O ₃ S; CH ₃ SO ₃ CH(CH ₃) ₂ ; FW : 138.19; CAS [926-06-7]; Flash Point : 104°C; Boiling Point : 82.0°C (6.0 mmHg); Density : 1.1450g/mL; UN : 1760 | | | |

Isopropyl Myristate

| Afa Aesar | Quantity | Packaging | Cat. No. |
|--|----------|-----------|------------|
| | 500mL | ---- | AAA18111AP |
| | 25.L | ---- | AAA181110F |
| Liquid; 98%; CH ₃ (CH ₂) ₁₂ CO ₂ CH(CH ₃) ₂ ; FW : 270.46; CAS [110-27-0]; Flash Point : 152°C; Boiling Point : 191 to 194°C (20mmHg); Density : 0.85g/mL | | | |

Isopropyl-β-D-thiogalactopyranoside Molecular Biology Grade

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|---|----------|--------------|--------------|
| | 25g | Glass Bottle | AC32728-0250 |
| ≥99%; IPTG, Isopropyl-β-D-thiogalactoside; C ₉ H ₁₈ O ₅ S; FW : 238.31; CAS [367-93-1]; Melting Point : 105.0°C | | | |

2,3-O-Isopropylidene-D-glyceraldehyde

| Afa Aesar | Quantity | Packaging | Cat. No. |
|--|----------|-----------|------------|
| | 10g | ---- | AAJ6633709 |
| Liquid; 2,2-(R)-Dimethyl-1,3-dioxolane-4-carboxaldehyde; C ₈ H ₁₀ O ₅ ; FW : 130.14; CAS [15186-48-8]; Flash Point : 62°C (144°F); Transport Hazard Class : 6.1; UN : 1593; Recommended Storage : 2° to 8°C; Colorless to Pale Yellow; 50% w/w in Dichloromethane | | | |

Itraconazole

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|--|----------|--------------|--------------|
| | 5g | Glass Bottle | AC45287-0050 |
| | 25g | Glass Bottle | AC45287-0250 |
| 99%; C ₂₈ H ₃₈ Cl ₂ N ₈ O ₄ ; FW : 705.64; CAS [84625-61-6]; Melting Point : 168.0° to 170.0°C | | | |

Kaolin

USP

| F | Quantity | Packaging | Cat. No. |
|---|----------|-------------|----------|
| | 500g | Poly Bottle | K2-500 |
| Acid Washed Powder; Aluminum Silicate (Hydrated), Bolus Alba; H ₂ Al ₂ Si ₂ O ₇ ·H ₂ O; FW : 258.2; CAS [1332-58-7]; Melting Point : 1760°C; Density : 1.8g/mL | | | |

Kerosene

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------|----------|
| | 4L | Glass Bottle | K10-4 |
| | 200L | Steel Drum | K10-200 |
| Liquid; >99%; CAS [64742-47-8]; Melting Point : -17.8°C; Flash Point : 71°C; Boiling Point : 151.1° to 301°C (304° to 574°F); Density : 4.5 (Air = 1.0); DOT Class 3 : Flammable Liquid; UN : 1223; Light yellow | | | |

Kerosene

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|---|----------|-----------|--------------|
| | 4L | EcoSafPak | AC61103-0040 |
| CAS [8008-20-6]; Flash Point : 71°C; Boiling Point : 151.1° to 301°C (304° to 574°F); Density : 4.5 (Air = 1.0); DOT Class 3 : Flammable Liquid; UN : 1223 | | | |

ChemAlert®
Storage Code
RED

α-D-(+)-Lactose Monohydrate

Certified ACS

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------|----------|
| | 500g | Glass Bottle | L5-500 |
| Powder; Milk Sugar; C ₁₂ H ₂₂ O ₁₁ ·H ₂ O; FW : 360.32; CAS [5989-81-1, 7732-18-5]; Melting Point : 219°C; Density : 1.53g/mL | | | |

ChemAlert®
Storage Code
GRAY

Lawesson's Reagent

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|--|----------|--------------|--------------|
| | 500g | Glass Bottle | AC21089-5000 |
| 99%; 2,4-Bis(4-methoxyphenyl)-1,3-dithia-2,4-diphosphetane-2,4-disulfide; C ₁₄ H ₁₄ O ₂ P ₂ S ₄ ; FW : 404.45; CAS [19172-47-5]; Melting Point : 228.0° to 231.0°C | | | |

Lecithin

Laboratory Grade

| F | Quantity | Packaging | Cat. No. |
|---|----------|-------------|-----------|
| | 250g | Poly Bottle | 03376-250 |
| Phosphatidylcholine; CAS [8002-43-5]; Melting Point : 236.11°C; Density : 1.03g/mL | | | |

ChemAlert®
Storage Code
GRAY

L-α-Lecithin

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|--|----------|----------------|--------------|
| | 250g | Plastic Bottle | AC41310-2500 |
| FW : 750.00; CAS [8002-43-5] | | | |

Lecithin

| Afa Aesar | Quantity | Packaging | Cat. No. |
|--|----------|-----------|-----------|
| | 250g | ---- | AA3648630 |
| | 1kg | ---- | AA36486A1 |
| Solid; Phosphatidylcholine; CAS [8002-43-5] | | | |

Leupeptin Hemisulfate

| Afa Aesar | Quantity | Packaging | Cat. No. |
|--|----------|-----------|------------|
| | 100mg | ---- | AAJ61188MC |
| Powder; C ₂₀ H ₃₀ N ₆ O ₄ ·0.5H ₂ SO ₄ ; FW : 475.59; CAS [103476-89-7]; Recommended Storage : -30° to -10°C; White to Off-white; Reversible protease inhibitor which inhibits cathepsin B, calpain and trypsin | | | |

(R)-(+)-Limonene

| Afa Aesar | Quantity | Packaging | Cat. No. |
|--|----------|-----------|------------|
| | 500mL | ---- | AAL04733AP |
| 97%; (R)-(+)-4-Isopropenyl-1-methylcyclohexene, (+)-p-Mentha-1,8-diene; C ₁₀ H ₁₆ ; FW : 136.23; CAS [5989-27-5]; Melting Point : -74°C; Flash Point : 48°C (118°F); Boiling Point : 177° to 178°C; Transport Hazard Class : 3 | | | |

(+)-Limonene



| Quantity | Packaging | Cat. No. |
|---|--------------|--------------|
| 500mL | Glass Bottle | AC17939-5000 |
| 96%; D-Limonene, (+)-Dipentene; C ₁₀ H ₁₆ ; FW. 136.24; CAS [5989-27-5, 10191-41-0]; Melting Point: -74.0°C; Flash Point: 48°C; Boiling Point: 175.4° to 176.0°C; Density: 0.8405g/mL; UN: 2052 | | |

Lithium Aluminum Di-n-butylamide



| Quantity | Packaging | Cat. No. |
|--|-----------|------------|
| 500mL | ---- | AAL08269AP |
| C ₂₂ H ₇₂ AlLiN ₄ ; LiAl [N(CH ₂ CH ₂ CH ₂ CH ₃) ₂] ₄ ; FW. 546.87; CAS [15405-86-4]; Melting Point: -54°C; Transport Hazard Class: 3; UN: 1993; 0.16M soln. in 1,2-dimethoxyethane | | |

Lutein



| Quantity | Packaging | Cat. No. |
|---|--------------|--------------|
| 1g | Glass Bottle | AC45616-0010 |
| 90%; Xanthophyll; C ₄₀ H ₅₆ O ₂ ; FW. 568.88; CAS [127-40-2]; | | |

Maleimide



| Quantity | Packaging | Cat. No. |
|---|--------------|--------------|
| 500g | Glass Bottle | AC15671-5000 |
| White to Slightly Yellow Fine Crystalline powder; 98%; 2,5-Pyrroledione; C ₄ H ₃ NO ₂ ; FW. 97.07; CAS [541-59-3]; Melting Point: 90.0° to 94.0°C; UN: 2923 | | |

Malonic Acid

Reagent Grade



| Quantity | Packaging | Cat. No. |
|---|--------------|----------|
| 100g | Glass Bottle | A170-100 |
| Crystalline; Methanedicarboxylic Acid, 1,3-Propanedioic Acid; C ₃ H ₄ O ₄ ; HOOCCH ₂ COOH; FW. 104.06; CAS [141-82-2]; Melting Point: 133° to 137°C; Density: 1.63g/mL | | |



Maltitol



| Quantity | Packaging | Cat. No. |
|--|-----------|------------|
| 1000g | ---- | AAB241580B |
| 97%; 4-O-alpha-D-Glucopyranosyl-D-glucitol; C ₁₂ H ₂₄ O ₁₁ ; FW. 344.32; CAS [585-88-6]; Melting Point: 149° to 152°C | | |

DL-Mandelic Acid



| Quantity | Packaging | Cat. No. |
|---|--------------|--------------|
| 5kg | Plastic Drum | AC12531-0050 |
| ≥99%; α-Hydroxyphenylacetic Acid; C ₈ H ₈ O ₂ ; C ₆ H ₅ CH(OH)CO ₂ H; FW. 152.15; CAS [90-64-2]; Melting Point: 118.0° to 122.0°C | | |

Mannitol



| Quantity | Packaging | Cat. No. |
|--|-----------|----------|
| 3kg | ---- | MMX02141 |
| White Powder; C ₆ H ₁₄ O ₆ ; FW. 182.17; CAS [69-65-8]; Melting Point: 164° to 169°C; Boiling Point: 290 to 295°C (4 hPa); Density: 1.49g/cm ³ (20°C); Recommended Storage: Store without restrictions; For The Determination of Boric Acid | | |

2-Mercaptoethanol

Reagent Grade



| Quantity | Packaging | Cat. No. |
|---|--------------------------------|------------|
| 100mL | Amber Glass Bottle/Poison Pack | 034461-100 |
| 2-Hydroxyethanethiol, β-Mercaptoethanol, Thioglycol; C ₂ H ₆ OS; HSCH ₂ CH ₂ OH; FW. 78.13; CAS [60-24-2]; DOT Class 6.1: Poison; UN: 2966 | | |



Methanesulfonyl Chloride



| Quantity | Packaging | Cat. No. |
|--|--------------|--------------|
| 2.5L | Glass Bottle | AC12564-0025 |
| 99.5%; Mesyl Chloride, MsCl; CH ₃ ClO ₂ S; CH ₃ SO ₂ Cl; FW. 114.55; CAS [124-63-0]; Melting Point: -33.0°C; Flash Point: 110°C; Boiling Point: 161.0°C; Density: 1.4800g/mL; UN: 3246 | | |

4-Methoxybenzylchloride



| Quantity | Packaging | Cat. No. |
|---|--------------|--------------|
| 100g | Glass Bottle | AC29417-1000 |
| 98%; C ₈ H ₉ ClO; FW. 156.61; CAS [824-94-2, 584-08-7]; Melting Point: -1.0°C; Flash Point: 109°C; Boiling Point: 117.0° to 118.0°C (14.0mmHg); Density: 1.1500g/mL; UN: 3265 | | |

4-(Methoxycarbonylamino)benzeneboronic Acid



| Quantity | Packaging | Cat. No. |
|--|-----------|------------|
| 1g | ---- | AAH5302703 |
| 97%; 4-(Methoxycarbonylamino)phenylboronic Acid; C ₈ H ₁₀ BNO ₄ ; FW. 194.98; CAS [850567-96-3]; Melting Point: 234° to 236°C | | |

3-(2-Methoxycarbonylethyl)benzeneboronic Acid



| Quantity | Packaging | Cat. No. |
|--|-----------|------------|
| 1g | ---- | AAH5254203 |
| 97%; Methyl 3-(3-boronophenyl)propionate; C ₁₀ H ₁₃ BO ₄ ; FW. 208.02; CAS [833472-82-5]; Melting Point: 96° to 100°C | | |

2-Methoxyethanol

ACS Reagent



| Quantity | Packaging | Cat. No. |
|--|--------------|--------------|
| 1L | Glass Bottle | AC44748-0010 |
| 2.5L | Glass Bottle | AC44748-0025 |
| Methyl Cellosolve™, Ethylene Glycol Monomethyl ether; C ₃ H ₈ O ₂ ; CH ₃ OCH ₂ CH ₂ OH; FW. 76.09; CAS [109-86-4]; Melting Point: -85.0°C; Flash Point: 38°C; Boiling Point: 124.0°C; Density: 0.9600g/mL | | |

(Methoxymethyl)triphenylphosphonium Chloride



| Quantity | Packaging | Cat. No. |
|--|--------------|--------------|
| 500g | Glass Bottle | AC14601-5000 |
| 98%; C ₂₀ H ₂₀ ClOP; CH ₃ OCH ₂ P(C ₆ H ₅) ₃ Cl; FW. 342.79; CAS [4009-98-7]; Melting Point: 195.0° to 197.0°C; Flash Point: >250°C; Boiling Point: 413.0°C; UN: 3077 | | |

4-Methoxyphenol



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 25kg | Plastic Bag in Cardbox | AC12600-0250 |

99%; Monomethyl Ether Hydroquinone, MEHQ, p-Hydroxyanisole, O-Methylhydroquinone; $C_7H_8O_2$; **FW.** 124.14; CAS [150-76-5, 123-31-9]; **Melting Point:** 56.0° to 57.0°C; **Flash Point:** 133°C; **Boiling Point:** 243.0°C

1-Methoxy-2-propanol

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA41547K7 |

Liquid; ≥99%; Propylene Glycol Methyl Ether; $C_4H_{10}O_2$; **FW.** 90.12; CAS [107-98-2]; **Melting Point:** -100°C; **Flash Point:** 35° (95°F); **Boiling Point:** 119° to 120°C; **Density:** 0.926g/mL; **Transport Hazard Class:** 3; **UN:** 3092; Colorless

Methyl Acetate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | M203-500 |
| 4L | Glass Bottle | M203-4 |

Acetic Acid Methyl Ester; $C_3H_6O_2$; CH_3COOCH_3 ; **FW.** 74.08; CAS [79-20-9]; **Melting Point:** -98°C (-144.4°F); **Flash Point:** -26°C; **Boiling Point:** 57.4°C; **Density:** 0.93g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1231



Methyl Arachidate



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC45282-0050 |

99%; $C_{21}H_{42}O_2$; $CH_3(CH_2)_{19}COOCH_3$; **FW.** 326.56; CAS [1120-28-1]; **Melting Point:** 45.0° to 48.0°C; **Flash Point:** >110°C; **Boiling Point:** 215.0° to 216.0°C (10.0mmHg)

N-Methyl-bis(trifluoroacetamide)



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25mL | Glass Bottle | AC21007-0250 |

98%; MBTFA; $C_5H_9F_6NO_2$; $(CF_3CO)_2NCH_3$; **FW.** 223.07; CAS [685-27-8]; **Flash Point:** 45°C; **Boiling Point:** 120.0° to 122.0°C; **Density:** 1.5470g/mL

2-Methylbutane

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | 03551-4 |

≥95%; Isopentane, 1,1,2-Trimethylethane, 1-Pentane; C_5H_{12} ; $(CH_3)_2CHCH_2CH_3$; **FW.** 72.15; CAS [78-78-4]; **Melting Point:** -160°C; **Flash Point:** -51°C; **Boiling Point:** 27.8°C; **Density:** 0.62g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1265



2-Methylbutane



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 4L | Metal Can | MMX07601 |

iso-Pentane, Isopentane; C_5H_{12} ; $(CH_3)_2CHCH_2CH_3$; **FW.** 72.15; CAS [78-78-4]; **Melting Point:** -16°C; **Flash Point:** -57°C; **Boiling Point:** 28°C (1013 hPa); **Density:** 0.62g/cm³ (20°C)

2-Methylbutane

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500mL | ---- | AA19387AP |

Liquid; 99+%; 1,1,2-Trimethylethane, 1-Pentane, Isopentane; $CH_3CH_2CH(CH_3)_2$; **FW.** 72.14; CAS [78-78-4]; **Flash Point:** 30°C; **Density:** 0.62g/mL

2-Methylbutane

Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC12647-0010 |

≥99%; Isopentane; C_5H_{12} ; $C_2H_5CH(CH_3)_2$; **FW.** 72.15; CAS [78-78-4]; **Melting Point:** -160.0°C; **Flash Point:** -51°C; **Boiling Point:** 30.0°C; **Density:** 0.6200g/mL; **UN:** 1265

2-Methyl-2-butanol

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500mL | ---- | AAA18304AP |
| 2.5L | ---- | AAA183040F |

Liquid; 98%; tert-Amyl Alcohol, Dimethylethylcarbinol; $CH_3CH_2C(CH_3)_2OH$; **FW.** 88.15; CAS [75-85-4]; **Melting Point:** ca -12°C; **Flash Point:** 20°C; **Boiling Point:** 101 to 103°; **Density:** 0.805g/mL

Methyl tert-Butyl Ether

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | E127-4 |

99% min by GC; MTBE, tert-Butyl Methyl Ether; $C_5H_{12}O$; **FW.** 88.14; CAS [1634-04-4]; **Melting Point:** -109°C; **Flash Point:** -28°C; **Boiling Point:** 54° to 56°C (129.2° to 132.8°F); **Density:** 0.2 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 2398; High UV transmittance and low evaporation residue. Filtered through a sub-micron filter to remove particulates. Mobile phase for HPLC Grade applications.



3-Methylenecyclobutanecarbonitrile



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC37601-0250 |

97%; 3-Methylene-1-cyanocyclobutane; C_4H_5N ; **FW.** 93.13; CAS [15760-35-7]

Methylenediphosphonic Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC21507-0050 |

98%; $CH_6O_8P_2$; $CH_2[P(O)(OH)_2]_2$; **FW.** 176.00; CAS [1984-15-2]; **Melting Point:** 200.0° to 204.0°C; **Boiling Point:** 82.0°C (6.0mmHg); **UN:** 3261

Methyl 4-hydroxybenzoate



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10kg | Plastic Drum | AC12696-0100 |

99%; Methylparaben; $C_8H_8O_3$; $HOC_6H_4CO_2CH_3$; **FW.** 152.15; CAS [99-76-3]; **Melting Point:** 125.0° to 128.0°C; **Boiling Point:** 298.6°C

N-Methylindole-3-boronic Acid Pinacol Ester



| Quantity | Packaging | Cat. No. |
|----------|-----------|--------------|
| 5g | ---- | AC44101-0050 |

White to Pale Brown Low Melting Solid; 97%; C₁₅H₂₀BN₂O₂; F.W. 257.14; CAS [683229-61-0]; **Melting Point:** 106° to 109°C

3-Methylisoxazole-5-carboxylic Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC45266-0050 |

97%; C₅H₅NO₃; F.W. 127.1; CAS [4857-42-5]

Methyl Methacrylate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | 03629-4 |

>98%; C₅H₈O₂; CH₂:C(CH₃)COOCH₃; F.W. 100.12; CAS [80-62-6]; **Melting Point:** -48°C; **Flash Point:** 7°C; **Boiling Point:** 100.5°C; **Density:** 0.94g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1247; Stabilized



4-Methylpiperidine



| Quantity | Packaging | Cat. No. |
|----------|-------------|--------------|
| 2.5kg | Plastic Can | AC12751-0025 |

99%; 4-Pipecoline; C₈H₁₃N; F.W. 99.18; CAS [626-58-4]; **Melting Point:** 4.0° to 5.0°C; **Flash Point:** 13°C; **Boiling Point:** 122.0°C; **Density:** 0.8400g/mL; **UN:** 2733

1-Methyl-2-pyrrolidinone

Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | 03688-4 |

1-Methylpyrrolidone, N-Methyl-α-Pyrrolidinone, NMP; C₅H₉NO; F.W. 99.13; CAS [872-50-4]; **Melting Point:** -24°C; **Flash Point:** 91°C; **Boiling Point:** 202°C; **Density:** 3.4 (Air = 1.0)



1-Methyl-2-pyrrolidinone

Pure



| Quantity | Packaging | Cat. No. |
|----------|------------|--------------|
| 25L | Metal Drum | AC44918-0250 |

98%; NMP, N-Methylpyrrolidone; C₅H₉NO; F.W. 99.13; CAS [872-50-4]; **Melting Point:** -24.0°C; **Flash Point:** 91°C; **Boiling Point:** 202.0°C; **Density:** 1.0300g/mL

1-Methyl-2-pyrrolidinone

Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC61041-1000 |

99.5%; NMP, N-Methylpyrrolidone; C₅H₉NO; F.W. 99.13; CAS [872-50-4]; **Melting Point:** -24.0°C; **Flash Point:** 91°C; **Boiling Point:** 202.0°C; **Density:** 1.0300g/mL

N-Methylpyrrolidone

GC Headspace Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | N140-1 |

Liquid; 99.9% Minimum; 1-Methyl-2-pyrrolidinone; C₅H₉NO; F.W. 99.13; CAS [870-50-4]; NMP
Clear, colorless to slight yellow



Methyl Salicylate

Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | 03695-500 |

>99%; Wintergreen Oil, 2-Hydroxybenzoic Acid Methyl Ester; C₉H₈O₃; 2-(CO₂CH₃)C₆H₄OH; F.W. 152.15; CAS [119-36-8]; **Melting Point:** -8.61°C; **Boiling Point:** 223.28°C; **Density:** 1.18g/mL



6-Methylsalicylic Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|-------------|
| 5g | Glass Bottle | AC453060050 |

98%; C₈H₈O₃; F.W. 152.15; CAS [567-61-3]; **Melting Point:** 170° to 175°C

2-Methyltetrahydrofuran

Extra Dry



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 2.5L | AcroSeal™ Glass Bottle | AC39662-0025 |

99%; 2-MeTHF, Tetrahydro-2-methylfuran; C₅H₁₀O; F.W. 86.13; CAS [96-47-9]; **Melting Point:** -136.0°C; **Flash Point:** -11°C; **Boiling Point:** 78.0° to 80.0°C; **Density:** 0.8600g/mL; **UN:** 2536

2-Methyltetrahydrofuran

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500mL | ---- | AAL07356AP |

99%; Tetrahydrofuran; C₄H₈O; F.W. 86.13; CAS [96-47-9]; **Melting Point:** -136°C; **Flash Point:** -11°C (12°F); **Boiling Point:** 80° to 82°C; **Transport Hazard Class:** 3; **UN:** 2536

4-Methyl-3-(trifluoromethyl)benzaldehyde

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAH2676206 |

97%; C₉H₇F₃O; F.W. 188.15; CAS [93249-45-7]

Methyl Trifluoroacetate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 1000g | ---- | AAA173380B |

Trifluoroacetic Acid Methyl Ester; CF₃CO₂CH₃; F.W. 128.05; CAS [431-47-0]; **Melting Point:** -78°C; **Flash Point:** -18°C (-0.4°F); **Boiling Point:** 43° to 44°C; **Transport Hazard Class:** 3; **UN:** 2924

N-Methyl-N-(trimethylsilyl)trifluoroacetamide



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC22158-0250 |

Clear Colorless to Light Yellow Liquid; 97%; MSTFA; C₈H₁₂F₃NOSi; CF₃CON(CH₃)Si(CH₃)₃; F.W. 199.25; CAS [24589-78-4]; **Flash Point:** 25°C; **Boiling Point:** 130.0° to 132.0°C; **Density:** 1.0700g/mL; **UN:** 2920

Methyl Vinyl Ketone



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5L | Glass Bottle | AC12800-0025 |

ca. 95%; 3-Buten-2-one, MVK; C₄H₆O; H₂C=CHCOCH₃; F.W. 70.09; CAS [78-94-4, 75-05-8, 64-19-7, 123-31-9, 7732-18-5]; **Flash Point:** -7°C; **Boiling Point:** 80.0°C; **Density:** 0.8640g/mL

(+/-)-Mevalonolactone

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1g | Glass Bottle | AC42830-0010 |
| 5g | Glass Bottle | AC42830-0050 |

97%; (±1)-β-Hydroxy-β-methyl-δ-valerolactone; C₈H₁₀O₅;
FW. 130.14; **CAS** [674-26-0]; **Melting Point:** 28.0°C;
Flash Point: >110°C; **Boiling Point:** 145.0° to 150.0°C (5.0mmHg)

Mineral Oil

Pure

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5L | Glass Bottle | AC41508-0025 |
| 10L | Plastic Can | AC41508-0100 |

Paraffin Oil; **CAS** [8042-47-5]; **Flash Point:** 220°C; **Density:** 0.8770g/mL

Mineral Oil, Heavy

USP/FCC

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | 0122-1 |
| 4L | Glass Bottle | 0122-4 |

Paraffin - Liquid, Paraffin Oil, Heavy, Liquid Petrolatum;
CAS [8042-47-5]; **Flash Point:** 160°C;
Boiling Point: 260° to 427°C (500° to 800.1°F);
Density: 0.83g/mL

ChemAlert®
Storage Code
GRAY

Mineral Oil, Light

NF/FCC

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | 0121-1 |
| 4L | Glass Bottle | 0121-4 |
| 20L | Steel Pail | 0121-20 |

Paraffin - Liquid, Glymol for Babcock Test, Paraffin Oil, Light,
 Light Liquid Petrolatum; **CAS** [8042-47-5]; **Flash Point:** 160°C;
Boiling Point: 260° to 427°C (500° to 800.1°F);
Density: 0.83g/mL

ChemAlert®
Storage Code
GRAY

Mitomycin C

| Quantity | Packaging | Cat. No. |
|----------|-------------------|--------------|
| 2mg | Plastic Container | AC22694-0020 |

C₁₅H₁₈N₄O₅; **FW.** 334.32; **CAS** [50-07-7, 7647-14-5];
Melting Point: >360.0°C; **UN:** 2811

Molybdc Acid, 85%

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | A173-500 |

Powder; ≥85.0%; Ammonium Molybdate; (NH₄)₆Mo₇O₂₄·4H₂O;
CAS [12054-85-2]; **Melting Point:** 190°C; **Density:** 2.49g/mL;
 This reagent consists largely of ammonium molybdate.

ChemAlert®
Storage Code
GRAY

Morpholine

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | M263-1 |

≥99%; Diethylene Oximide; C₄H₉NO;
 NH(CH₂)₂OCH₂CH₂; **FW.** 87.12; **CAS** [110-91-8];
Melting Point: -5.00°C; **Flash Point:** 32°C;
Boiling Point: 127.78°C; **Density:** 3.0 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 2054

SOLVENT
ChemAlert®
Storage Code
RED

Naphthalene-1,3,6-trisulfonic Acid Trisodium Salt Hydrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA4171536 |

Powder; C₁₀H₅Na₃O₆S₃·xH₂O; **FW.** 434.31 (Anhydrous);
CAS [123409-01-8]

1-Naphthyl Phosphate Monosodium Salt Monohydrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 100g | ---- | AAA1825422 |

Monosodium 1-naphthyl Phosphate Monohydrate; C₁₀H₈NaO₄·P·H₂O;
FW. 264.16 (246.14 Anhydrous); **CAS** [81012-89-7];
Melting Point: 186° to 191°C

3-Nitro-1H-pyrazole

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC45168-0250 |

97%; 3-Nitro-1H-Pyrazole; C₄H₃N₃O₂; **FW.** 113.08; **CAS** [26621-44-3];
Melting Point: 173.0° to 175.0°C

4-(4-Nitrobenzyl)pyridine

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 100g | ---- | AAA1356422 |

C₁₂H₁₀N₂O₂; **FW.** 214.22; **CAS** [1083-48-3]; **Melting Point:** 69° to 72°C

Nitromethane

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 2.5kg | ---- | AAA118060E |

Liquid; ≥98%; CH₃NO₂; **FW.** 61.04; **CAS** [75-52-5]; **Melting Point:** -29°C;
Flash Point: 35°C; **Boiling Point:** 100° to 103°C; **Density:** 1.130g/mL

n-Nonylamine

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Glass Bottle | AC12918-5000 |

98%; 1-Aminononane; C₉H₂₁N; CH₃(CH₂)₈NH₂; **FW.** 143.27;
CAS [112-20-9]; **Melting Point:** -1.0°C; **Flash Point:** 63°C
Boiling Point: 202.0°C; **Density:** 0.7840g/mL; **UN:** 2922

Novobiocin Sodium Salt

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAJ6092806 |
| 10g | ---- | AAJ6092809 |

Powder; C₃₁H₃₈N₂NaO₁₁; **FW.** 634.61; **CAS** [1476-53-5];
Melting Point: 215°C; **Recommended Storage:** 2° to 8°C
 White to Pale Brown

Octane

Reagent Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | O3980-1 |

≥95%; C₈H₁₈; CH₃(CH₂)₆CH₃; **FW.** 114.23;
CAS [111-65-9]; **Melting Point:** -58.61°C;
Flash Point: 13°C; **Boiling Point:** 125.56°C;
Density: 0.7g/mL; **DOT Class 3:** Flammable Liquid;
UN: 1262

SOLVENT
ChemAlert®
Storage Code
RED

n-Octane

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 2500mL | ---- | AAA131810F |

$\text{CH}_3(\text{CH}_2)_6\text{CH}_3$; **FW.** 114.23; **CAS** [111-65-9]; **Melting Point:** -57°C ;
Flash Point: 15°C (59°F); **Boiling Point:** 125° to 126°C ;
Transport Hazard Class: 3; **UN:** 1262

n-Octane

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500mL | ----- | AAA13181AP |

Liquid; $\geq 98\%$; $\text{CH}_3(\text{CH}_2)_6\text{CH}_3$; **FW.** 114.23; **CAS** [111-65-9];
Melting Point: -57°C ; **Flash Point:** 15°C ; **Boiling Point:** 125° to 126°C ;
Density: 0.703g/mL

n-Octane

Extra Pure

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Glass Bottle | AC12937-5000 |

$\geq 99\%$; C_8H_{18} ; $\text{CH}_3(\text{CH}_2)_6\text{CH}_3$; **FW.** 114.23; **CAS** [111-65-9];
Melting Point: -57.0°C ; **Flash Point:** 13°C ;
Boiling Point: 125.0° to 127.0°C ; **Density:** 0.7080g/mL; **UN:** 1262

1-Octanesulfonic Acid Sodium Salt

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC41636-0250 |
| 100g | Glass Bottle | AC41636-1000 |

White Crystalline Solid; $\text{C}_8\text{H}_{17}\text{NaO}_3\text{S}$; $\text{CH}_3(\text{CH}_2)_6\text{SO}_3\text{Na}$;
FW. 216.28; **Melting Point:** $>300^\circ\text{C}$

1-Octanesulfonic Acid Sodium Salt

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|----------|
| 25g | Wide Mouth Amber Glass Bottle | 02002045 |
| 500g | Wide Mouth Amber Glass Bottle | 02002046 |

$\text{CH}_3(\text{CH}_2)_6\text{SO}_3\text{Na}$; **FW.** 216.27; **CAS** [5324-84-5]

1-Octanesulfonic Acid Sodium Salt Monohydrate

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC20614-1000 |

98%; $\text{C}_8\text{H}_{17}\text{NaO}_3\text{S}\cdot\text{H}_2\text{O}$; $\text{CH}_3(\text{CH}_2)_6\text{SO}_3\text{Na}\cdot\text{H}_2\text{O}$; **FW.** 234.30;
CAS [207596-29-0]; **Melting Point:** $>300.0^\circ\text{C}$

1-Octanesulfonic Acid Sodium Salt Monohydrate

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 100g | Plastic Bottle | MOX01013 |

Salt; 99% min.; $\text{CH}_3(\text{CH}_2)_6\text{SO}_3\text{Na}\cdot\text{H}_2\text{O}$; **FW.** 234.29; **CAS** [207596-29-0]

1-Octanol

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A402-500 |
| 4L | Glass Bottle | A402-4 |

Octyl Alcohol, Caprylic Alcohol; $\text{C}_8\text{H}_{18}\text{O}$; $\text{CH}_3(\text{CH}_2)_6\text{CH}_2\text{OH}$;
FW. 130.23; **CAS** [111-87-5]; **Melting Point:** -16°C ;
Flash Point: 81°C ; **Boiling Point:** 195°C ; **Density:** 4.5 (Air = 1.0)

ChemAlert®
Storage Code
GRAY

1-Octanol



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | MOX01301 |

Clear Colorless Liquid; 98% min.; n-Octyl Alcohol; $\text{CH}_3(\text{CH}_2)_6\text{CH}_2\text{OH}$;
FW. 130.23; **CAS** [111-87-5]

2-Octanol

Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | 0269-500 |

Secondary Caprylic Alcohol, Methyl Hexyl Carbinol;
 $\text{C}_8\text{H}_{18}\text{O}$; $\text{CH}_3\text{CHOH}(\text{CH}_2)_6\text{CH}_3$; **FW.** 130.23;
CAS [123-96-6, 111-13-7]; **Melting Point:** -38°C ;
Boiling Point: 174° to 181°C ; **Density:** 0.81g/mL

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Storage Code
GRAY

Oleic Acid

NF/FCC



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A195-500 |

cis-9-Octadecenoic Acid; $\text{C}_{18}\text{H}_{34}\text{O}_2$; $\text{CH}_3(\text{CH}_2)_7\text{CH}(\text{CH}_2)_7\text{CO}_2\text{H}$;
FW. 282.46; **CAS** [112-80-1]; **Melting Point:** 13.4°C ;
Boiling Point: 360°C ; **Density:** 0.9g/mL

ChemAlert®
Storage Code
GRAY

Oleic Acid

Technical Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 1L | ---- | AAA16663AU |

90%; cis-9-Octadecenoic Acid; $\text{C}_{18}\text{H}_{34}\text{O}_2$; **FW.** 282.47; **CAS** [112-80-1];
Melting Point: 13° to 14°C ; **Boiling Point:** 286°C (100mmHg)

Oleylamine

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100mL | Glass Bottle | AC12954-1000 |
| 5L | Plastic Can | AC12954-0051 |

1-Amino-9-octadecene, cis-9-Octadecenylamine; $\text{C}_{18}\text{H}_{37}\text{N}$;
 $\text{CH}_3(\text{CH}_2)_7\text{CH}=\text{CH}(\text{CH}_2)_8\text{NH}_2$; **FW.** 267.50; **CAS** [112-90-3];
Melting Point: 15.0° to 22.0°C ; **Flash Point:** 154°C ;
Boiling Point: 147.0°C (2.0mmHg); **Density:** 0.8100g/mL; **UN:** 2735

Paraffin



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | P31-500 |

Granular; **CAS** [64742-51-4]; **Melting Point:** 53° to 57°C ;
Boiling Point: 322°C ; **Density:** 0.9g/mL

ChemAlert®
Storage Code
GRAY

Paraformaldehyde

Extra Pure

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC41678-5000 |
| 3kg | Plastic Drum | AC41678-0030 |

96%; $(\text{CH}_2\text{O})_n$; **CAS** [30525-89-4]; **Melting Point:** 120.0° to 170.0°C ;
Flash Point: 71°C ; **UN:** 2213

2,4-Pentanedione

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500mL | ---- | AAA14117AP |

99%; Acetylacetone, acac; C₅H₈O₂; F.W. 100.12; CAS [123-54-6];
Melting Point: -23°C; **Flash Point:** 34°C (93°F);
Boiling Point: 140° to 141°C; **Transport Hazard Class:** 3;
UN: 2310

1-Pentanesulfonic Acid Sodium Salt

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|----------|
| 25g | Wide Mouth Amber Glass Bottle | 02002049 |
| 100g | Wide Mouth Amber Glass Bottle | 02002048 |

CH₃(CH₂)₄SO₃Na; F.W. 174.21; CAS [22767-49-3]

1-Pentanesulfonic Acid Sodium Salt, Anhydrous

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | 04068-100 |

C₅H₁₁O₃SNa; CH₃(CH₂)₄SO₃Na; F.W. 174.2; CAS [22767-49-3]



1-Pentanesulfonic Acid Sodium Salt Monohydrate



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC42320-0250 |
| 100g | Glass Bottle | AC42320-1000 |

Clear Liquid; 98+%; n-Amylsulfonic Acid, Sodium Salt;
 C₅H₁₁NaO₃S·H₂O; CH₃(CH₂)₄SO₃Na·H₂O; F.W. 192.22; CAS [207605-40-1];
Melting Point: >300°C

1-Pentanol

ACS Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA30898K2 |

Liquid; ≥99%; n-Amyl Alcohol, n-Pentyl Alcohol; C₅H₁₂O; CH₃(CH₂)₄OH;
 F.W. 88.15; CAS [71-41-0]; **Melting Point:** -79°C;
Flash Point: 49° (120°F); **Boiling Point:** 136° to 138°C;
Density: 0.812g/mL; **Transport Hazard Class:** 3; **UN:** 1105

Perfluorodecalin



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500g | Glass Bottle | AC13004-5000 |

90%; Octadecafluorodecahydronaphthalene; C₁₀F₁₈; F.W. 462.08;
 CAS [306-94-5]; **Melting Point:** -10.0°C; **Flash Point:** 59°C;
Boiling Point: 142.0°C; **Density:** 1.9000g/mL

1H,1H,2H,2H-Perfluorooctyltriethoxysilane

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAB2462014 |

97%; Triethoxy-1H,1H,2H,2H-perfluorooctylsilane; C₁₄H₁₉F₁₃O₃Si;
 CF₃(CF₂)₆(CH₂)₂Si(OCH₂CH₃)₃; F.W. 510.37; CAS [51851-37-7];
Melting Point: <-38°C; **Flash Point:** 97°C (206°F); **Boiling Point:** 220°C

Petrolatum

Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1 lb. | Plastic Jar | P66-1LB |
| 7 lb. | Plastic Jar | P66-7LB |

White, Paste; Petroleum Jelly; CAS [8009-03-8];
Melting Point: 38° to 45°C; **Density:** 0.84g/mL; White



1,10-Phenanthroline Monohydrate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 5g | Glass Bottle | P70-5 |
| 10g | Glass Bottle | P70-10 |

o-Phenanthroline; C₁₂H₈N₂·H₂O; F.W. 198.23; CAS [5144-89-8];
Melting Point: >98°C; **DOT Class 6.1:** Poison; **UN:** 2811



Phenol

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------------------------|----------|
| 100g | Amber Glass Bottle/Poison Pack | A92-100 |
| 500g | Amber Glass Bottle/Poison Pack | A92-500 |
| 1.5kg | Amber Glass Bottle/Poison Pack | A92-112 |

Crystalline; ≥99.0%; Carboic Acid, Phenyl Hydroxide,
 Hydroxybenzene; C₆H₅OH; F.W. 94.11; CAS [108-95-2];
Melting Point: 39° to 42°C (102.2° to 107.6°F);
Flash Point: 79°C; **Boiling Point:** 90.2°C at 25mmHg;
Density: 3.2; **DOT Class 6.1:** Poison; **UN:** 1671



Phenol

Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | A911-500 |

Fused Crystals; Carboic Acid, Phenyl Hydroxide,
 Hydroxybenzene; C₆H₅O; C₆H₅OH; F.W. 94.11; CAS [108-95-2];
Melting Point: 39° to 42°C (102.2° to 107.6°F);
Flash Point: 79°C; **Density:** 3.2; **DOT Class 6.1:** Poison;
UN: 1671



Phenol

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|------------------|-----------|
| 500mL | Glass Bottle | A9311-500 |
| 1L | Glass Bottle | A9311-1 |
| 4L | Glass Bottle | A9311-4 |
| 200L | Lined Steel Drum | A9311-200 |

Liquid; Carboic Acid, Phenyl Hydroxide, Hydroxybenzene;
 CAS [108-95-2]; **Flash Point:** 79.4°C; **Density:** 3.2;
DOT Class 6.1: Poison; **UN:** 2821



Phenol



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | MPX05115 |

Clear Colorless Liquid; 88.0% min.; Hydroxybenzene; C₆H₅OH;
 F.W. 94.11; CAS [108-95-2]

4-Phenyl-1-butyne



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC44977-0050 |

97%; C₁₀H₁₀; F.W. 130.19; CAS [16520-62-0]; **Flash Point:** 66°C;
Boiling Point: 190.0°C; **Density:** 0.9260g/mL

Phenylmercury Acetate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250g | ---- | AA3712530 |

Powder; 98%; Acetoxy Phenylmercury, Acetoxy Mercuribenzene;
 $C_8H_8HgO_2$; $C_6H_5HgOCOCH_3$; **FW.** 336.74; **CAS** [62-38-4];
Melting Point: 146° to 153°C; **Density:** 2.4g/mL;
Transport Hazard Class: 6.1; **UN:** 1674; White to yellow

2-Phenylpiperidine

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1g | Glass Bottle | AC45085-0010 |

97%; $C_{11}H_{15}N$; **FW.** 161.25; **CAS** [3466-80-6]

Phosphoenolpyruvic Acid Monopotassium Salt

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAB2035806 |

99%; Monopotassium Phosphoenolpyruvate, PEP-K; $C_3H_4KO_6P$;
FW. 206.14; **CAS** [4265-07-0]; **Melting Point:** ~170°C (dec.)

Phthalaldehyde

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 5g | Glass Bottle | 04241-5 |

1,2-Phthalic Dicarboxaldehyde; $C_8H_6(CHO)_2$; $C_6H_4-1,2-(CHO)_2$;
FW. 134.13; **CAS** [643-79-8];
 Suitable for fluorometric determination of proteins and for
 HPLC Grade.

ChemAlert
Storage Code
GRAY

Phthalaldehyde

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 250g | ---- | AAA1329930 |

98%; Benzene-1,2-dicarboxaldehyde; Phthalaldehyde; $C_8H_6O_2$;
FW. 134.14; **CAS** [643-79-8]; **Melting Point:** 53° to 57°C;
Flash Point: 132°C (269°F); **Transport Hazard Class:** 8; **UN:** 2923

o-Phthalaldehyde

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 50g | ---- | AAA1329918 |

98%; $C_8H_6O_2$; **FW.** 134.14; **CAS** [643-79-8]; **Melting Point:** 55° to 58°C;
Flash Point: 132°C

Pituitary Extract

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 50mg | ---- | AAJ64417MF |

Lyophilized Powder; BPE; Bovine

Poly(Allylamine Hydrochloride)

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 10g | ---- | AA4309209 |
| 50g | ---- | AA4309218 |

Powder; $[CH_2CH(CH_2NH_2\cdot HCl)]_n$; **CAS** [71550-12-4]; Yellow

Poly(Vinyl Alcohol)

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC39676-0025 |

PVA; $[-CH_2CH(OH)-]_n$; **CAS** [9002-89-5];
Melting Point: 160.0° to 240.0°C

Poly(Vinyl Alcohol)

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC18316-0025 |

PVA; $[-CH_2CH(OH)-]_n$; **FW.** ~146 to 186 kD; **CAS** [9002-89-5];
Melting Point: 230° to 240°C; 92.0 to 94.0% hydrolyzed

Polyvinylsulfuric Acid Potassium Salt

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC41814-1000 |

Off-white to Beige-Brownish Crystalline Powder;
 Polyvinyl Sulfate Potassium Salt; $[-CH_2CH(OSO_3K)-]_n$;
CAS [26837-42-3]

Potassium tert-Butoxide

Pure

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC16888-0025 |

≥98%; Potassium tert-Butylate; C_4H_9KO ; $(CH_3)_3COK$; **FW.** 112.21;
CAS [865-47-4]; **Melting Point:** 240.0° to 258.0°C

Potassium Formate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 1kg | ---- | AAA145510B |

99%; HCO_2K ; **FW.** 84.12; **CAS** [590-29-4]; **Melting Point:** 167°C;
Density: 1.91g/mL

Potassium Hydrogen Phthalate

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|-------------|
| 100g | Plastic Bottle | AC177121000 |
| 500g | Plastic Bottle | AC177125000 |

99.99%; Potassium Biphthalate, Potassium Acid Phthalate; $C_8H_5KO_4$;
 $2-(HO_2C)C_6H_4CO_2K$; **FW.** 204.22; **CAS** [877-24-7];
Melting Point: 295.0° to 300.0°C

Potassium Oxalate Monohydrate

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 250g | Glass Bottle | P273-250 |
| 500g | Glass Bottle | P273-500 |

Crystalline; 98.5 to 101.0%; Oxalic Acid Potassium Salt;
 $C_2O_4K_2\cdot H_2O$; **FW.** 184.23; **CAS** [6487-48-5]; **Melting Point:**
 356°C; **Density:** 2.13g/mL; **DOT Class 6.1:** Poison; **UN:** 2811

ChemAlert
Storage Code
BLUE

Prednisolone

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC44947-0250 |

99%; $C_{21}H_{28}O_5$; **FW.** 360.44; **CAS** [50-24-8]; **Melting Point:** 240.0°C

Prednisone



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC44895-0250 |

98%; C₂₁H₂₆O₅; **F.W.** 358.43; CAS [53-03-2];
Melting Point: 225.0°C to 229.0°C

1,2-Propanediol

ACS Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 55 gal. | ---- | AA309481Q |

Liquid; 99.5%; CH₃CH(OH)CH₂OH; **F.W.** 76.10; CAS [57-55-6];
Melting Point: -60°C (-76°F); **Flash Point:** 107°C;
Boiling Point: 186 to 188°; **Density:** 1.036g/mL;
 As a substitute for ethylene glycol and glycerol.

beta-Propiolactone

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAB2319706 |

97%; beta-Propionolide, 3-Hydroxypropionic Acid Lactone; C₃H₄O₂;
F.W. 72.06; CAS [57-57-8]; **Melting Point:** -34°C;
Flash Point: 70°C (158°F); **Boiling Point:** 161° to 163°C;
Transport Hazard Class: 6.1; **UN:** 3382

Propionic Acid

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A258-500 |

Methyl Acetic Acid, Propanoic Acid, Ethylformic Acid; CH₃CH₂COOH; **F.W.** 74.08; CAS [79-09-4];
Melting Point: -22°C; **Flash Point:** 52°C;
Boiling Point: 141°C; **Density:** 0.99g/mL;
DOT Class 8: Corrosive; **UN:** 1848



Propylene Glycol



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | 16101440 |

Liquid; 1,2 Propanediol, 1,2-Propylene Glycol, 1,2-Dihydroxypropane;
 C₃H₈O₂; **F.W.** 76.09; CAS [57-55-6]; **Melting Point:** -60°C (-76°F);
Flash Point: 99°C (210°F); **Boiling Point:** 188°C (370°F);
Density: 1.036g/mL at 25°C (77°F); Viscous, colorless;
 General solvent use

Propylene Glycol

USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|------------------|----------|
| 1L | Glass Bottle | P355-1 |
| 4L | Glass Bottle | P355-4 |
| 20L | Lined Steel Drum | P355-20 |
| 200L | Steel Drum | P355-200 |

1,2-Propanediol, 1,2-Dihydroxypropane, Methyl Glycol; C₃H₈O₂;
 CH₃CHOHCH₂OH; **F.W.** 76.1; CAS [57-55-6];
Melting Point: -60°C (-76°F); **Flash Point:** 99°C;
Boiling Point: 187°C; **Density:** 2.62 (Air = 1.0)



Propylene Oxide

Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | O4332-1 |

1,2-Epoxypropane, Methyloxirane, Propene Oxide;
 C₃H₆O; CH₃CHCH₂O; **F.W.** 58.08; CAS [75-56-9];
Melting Point: -112°C (-170°F);
Flash Point: -37°C (-34.6°F); **Boiling Point:** 34°C;
Density: 2.0 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1280



(+/-)-Propylene Oxide

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100mL | ---- | AA30765AE |

Liquid; ≥99%; (+/-)-1,2-Epoxypropane, (+/-)-Methyloxirane; C₃H₆O;
F.W. 58.08; CAS [75-56-9]; **Melting Point:** -112°C;
Flash Point: -37° (-35°F); **Boiling Point:** 34° to 35°C;
Density: 0.83g/mL; **Transport Hazard Class:** 3; **UN:** 1280

Pyrazole-3-carboxaldehyde Dimethyl Acetal

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAH3405706 |

95%; 3-Dimethoxymethyl-1H-pyrazole; C₆H₁₀N₂O₂; **F.W.** 142.16;
 CAS [111573-59-2]; **Boiling Point:** 92° to 94°C (0.23mmHg)

4-Pyrimidinecarboxaldehyde



| Quantity | Packaging | Cat. No. |
|----------|---------------|--------------|
| 1g | Platic Bottle | AC45429-0010 |

95%; C₅H₄N₂O; **F.W.** 108.10; CAS [2435-50-9]

Pyrogallol

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | A263-100 |
| 500g | Poly Bottle | A263-500 |

Crystalline; 1,2,3-Benzenetriol, 1,2,3-Trihydroxybenzene,
 Pyrogallol Acid; C₆H₃(OH)₃; C₆H₃-1,2,3-(OH)₃; **F.W.** 126.11;
 CAS [87-66-1]; **Melting Point:** 133° to 134°C;
Boiling Point: 309°C; **Density:** 1.45g/mL;
DOT Class 6.1: Poison; **UN:** 2811; **C.I.** 76515



Pyruvic Acid Sodium Salt

Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | O4376-100 |

≥97%; Sodium Pyruvate; C₃H₃O₃Na; CH₃COCOONa;
F.W. 110.04; CAS [113-24-6]; **Melting Point:** >300°C



Quinine Sulfate Dihydrate



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC41878-0050 |
| 25g | Glass Bottle | AC41878-0250 |

H₂SO₄·2H₂O; **F.W.** 782.96; CAS [6119-70-6]; **Melting Point:** 153.0°C

Quinoline Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | Q35-500 |

1-Benzazine, Leuconine, Benzo[b]Pyridine; C₉H₇N;
C₈H₆N:CHCH:CH; **F.W.** 129.16; CAS [91-22-5];
Melting Point: -15°C (5°F); **Boiling Point:** 237°C;
Density: 1.09g/mL; **DOT Class 6.1:** Poison; **UN:** 2656



Quinuclidine

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAH5449806 |

1-Azabicyclo[2.2.2]octane; C₇H₁₃N; **F.W.** 111.19; CAS [100-76-5];
Melting Point: 157° to 160°C; **Transport Hazard Class:** 6.1; **UN:** 2811

Rosuvastatin Calcium Salt



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 250mg | Glass Bottle | AC45623-2500 |
| 1g | Glass Bottle | AC45623-0010 |

98%; C₂₂H₂₈FN₃O₆S·0.5Ca; **F.W.** 501.58; CAS [147098-20-2]

Salicylaldehyde Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A281-500 |

2-Hydroxybenzaldehyde, Salicylic Aldehyde; C₇H₆O₂;
2-HOC₆H₄CHO; **F.W.** 122.12; CAS [90-02-8];
Melting Point: -7.2°C; **Boiling Point:** 196°C; **Density:** 1.17g/mL



Salicylaldehyde Azine

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 10g | ---- | AAA1052709 |

97%; 2-Hydroxybenzaldehyde Azine; C₁₄H₁₂N₂O₂; **F.W.** 240.26;
CAS [959-36-4]; **Melting Point:** 216° to 222°C

Saponin

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 100g | ---- | AAA1882022 |

Powder; CAS [8047-15-2]

Serotonin Hydrochloride

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAB2126306 |

98%; 3-(2-Aminoethyl)-5-hydroxyindole hydrochloride, 5-HT;
C₁₀H₁₂N₂O·HCl; **F.W.** 212.68; CAS [153-98-0];
Melting Point: 167° to 172°C; **Transport Hazard Class:** 6.1;
UN: 2811

Silicone Oil

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA4589636 |
| 2.5kg | ---- | AA4589644 |

Liquid; Poly(dimethylsiloxane-co-diphenylsiloxane), Dimethyl Diphenyl Polysiloxane; [Si(CH₃)₂O]_x[Si(C₆H₅)₂O]_y;
CAS [68083-14-7]; **Flash Point:** >300°C (572°F); **Density:** 1.07g/mL;
Colorless
For high temperature open system, closed system, circulating, closed loop, and heat transfer baths.
High temperature fluids for laboratory research apparatus and instruments.

Silicone Oil

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500g | ---- | AAA1272836 |
| 2.5kg | ---- | AAA127280E |

Flash Point: >270°C (518°F); **Density:** 0.963g/mL; For oil baths

Silicone Oil



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5kg | Glass Bottle | AC17466-0025 |

Poly(methylphenylsiloxane); CAS [63148-58-3]; **Flash Point:** 316°C;
Density: 1.0500g/mL

Simvastatin



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC45884-0250 |

98%; C₂₅H₃₈O₅; **F.W.** 418.57; CAS [79902-63-9];
Melting Point: 127° to 132°C

Sodium Benzoate NF/FC



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | S224-500 |

Granular; Benzoic Acid Sodium Salt; C₇H₅O₂Na; C₆H₅CO₂Na;
F.W. 144.11; CAS [532-32-1]; **Melting Point:** >300°C



Sodium Bitartrate Monohydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S245-500 |

Crystalline; Tartaric Acid Monosodium Salt, Sodium Hydrogen Tartrate; C₄H₅O₆Na·H₂O; NaHC₄H₄O₆·H₂O; **F.W.** 190.09;
CAS [6131-98-2]



Sodium Citrate ACS Grade, ISO, EP



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | MSX04453 |

Crystalline; Trisodium Citrate, Sodium Citrate, Dihydrate;
C₆H₅Na₃O₇·2H₂O; Na₃C₆H₅O₇·2H₂O; **F.W.** 294.1; CAS [6132-04-3];
Melting Point: 15°C (anhydrous substance); **Density:** 1.76g/cm³;
EMSURE™, For Analysis

Sodium Citrate Dihydrate



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S279-500 |
| 3kg | Poly Bottle | S279-3 |
| 10kg | Poly Pail | S279-10 |

Granular; Citric Acid Trisodium Salt Dihydrate; $\text{Na}_3\text{C}_6\text{H}_6\text{O}_7 \cdot 2\text{H}_2\text{O}$; F.W. 294.1; CAS [6132-04-3];
Melting Point: 313.9°C; **Density:** 1.67g/mL



Sodium Citrate Dihydrate

USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | S466-3 |

Granular; Citric Acid Trisodium Salt Dihydrate; $\text{Na}_3\text{C}_6\text{H}_6\text{O}_7 \cdot 2\text{H}_2\text{O}$; $\text{NaO}_2\text{CCH}_2\text{C}(\text{OH})(\text{CO}_2\text{Na})\text{CH}_2\text{CO}_2\text{Na} \cdot 2\text{H}_2\text{O}$;
F.W. 294.1; CAS [6132-04-3]; **Melting Point:** 313.9°C;
Density: 1.67g/mL



Sodium Citrate Dihydrate

USP/FCC/EP/BP/JP



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | S470-212 |
| 12kg | Poly Pail | S470-12 |

Granular; Citric Acid Trisodium Salt Dihydrate; $\text{Na}_3\text{C}_6\text{H}_6\text{O}_7 \cdot 2\text{H}_2\text{O}$; $\text{NaO}_2\text{CCH}_2\text{C}(\text{OH})(\text{CO}_2\text{Na})\text{CH}_2\text{CO}_2\text{Na} \cdot 2\text{H}_2\text{O}$;
F.W. 294.1; CAS [6132-04-3]; **Melting Point:** 313.9°C;
Density: 1.67g/mL



Sodium 1-Decanesulfonate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 100g | ---- | AAA1463822 |

99% (dry wt.), Water <1.5%; 1-Decanesulfonic Acid Sodium Salt;
 $\text{CH}_3(\text{CH}_2)_9\text{SO}_3\text{Na}$; **F.W.** 244.33; CAS [13419-61-9]; **Melting Point:** >300°C

Sodium 1-Decanesulfonate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAA1463814 |

99% (dry wt.), Water <1.5%; 1-Decanesulfonic Acid Sodium Salt;
 $\text{CH}_3(\text{CH}_2)_9\text{SO}_3\text{Na}$; **F.W.** 244.33; CAS [13419-61-9]; **Melting Point:** >300°C

Sodium Dehydroacetate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500g | ---- | AAB2106036 |

97%; 3-Acetyl-4-hydroxy-6-methyl-2-pyrone Sodium Salt,
 Dehydroacetic Acid Sodium Salt; $\text{C}_8\text{H}_7\text{NaO}_4$; **F.W.** 190.13;
 CAS [4418-26-2]; **Melting Point:** ~295°C (dec.)

Sodium Deoxycholate Monohydrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAB2075914 |
| 100g | ---- | AAB2075922 |
| 500g | ---- | AAB2075936 |

Powder; 98%; $\text{C}_{24}\text{H}_{38}\text{NaO}_7 \cdot \text{H}_2\text{O}$; **F.W.** 432.58 (414.58, Anhy);
 CAS [145224-92-6]; **Melting Point:** >300°C

Sodium Diethyldithiocarbamate Trihydrate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | S287-100 |

Crystalline; Diethyldithiocarbamic Acid Sodium Salt;
 $\text{C}_8\text{H}_{16}\text{NNaS}_2 \cdot 3\text{H}_2\text{O}$; $(\text{CH}_3\text{CH}_2)_2\text{NCSSNa} \cdot 3\text{H}_2\text{O}$; **F.W.** 225.31;
 CAS [20624-25-3]; **Melting Point:** 95° to 98.5°C
 (203° to 209.3°F)



Sodium Formate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | S648-500 |

Crystalline; ≥99%; CHO_2Na ; HCOONa ; **F.W.** 68.01;
 CAS [141-53-7]; **Melting Point:** 253° to 261°C;
Density: 1.92g/mL



Sodium D-gluconate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 10kg | ---- | AAA104640C |

$\text{C}_6\text{H}_{11}\text{NaO}_7$; **F.W.** 218.14; CAS [527-07-1]; Sodium D-gluconate; 97%

Sodium 1-Hexanesulfonate Monohydrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 50g | ---- | AA3219018 |

Crystalline; 99%; 1-Hexanesulfonic Acid Sodium Salt Monohydrate;
 $\text{C}_6\text{H}_{13}\text{NaO}_3\text{S} \cdot \text{H}_2\text{O}$; $\text{CH}_3(\text{CH}_2)_5\text{SO}_3\text{Na} \cdot \text{H}_2\text{O}$;
F.W. 206.24 (188.22 Anhydrous); CAS [207300-91-2]; White

Sodium 1-Octanesulfonate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAA1429214 |
| 100g | ---- | AAA1429222 |

99%; $\text{CH}_3(\text{CH}_2)_7\text{SO}_3\text{Na}$; **F.W.** 216.28; CAS [5324-84-5];
Melting Point: >300°C

Sodium 1-Octanesulfonate Monohydrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 50g | ---- | AA1576418 |

Crystalline; ≥99%; 1-Octanesulfonic Acid Sodium Salt Monohydrate;
 $\text{CH}_3(\text{CH}_2)_7\text{SO}_3\text{Na} \cdot \text{H}_2\text{O}$; **F.W.** 234.29 (216.28 Anhydrous);
 CAS [207596-29-0]; **Melting Point:** >300°C

Sodium Oxalate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | S487-500 |

≥99.5%; Ethanedioic Acid Disodium Salt; $\text{C}_2\text{O}_4\text{Na}_2$;
 $\text{NaO}_2\text{CCO}_2\text{Na}$; **F.W.** 134; CAS [62-76-0];
Melting Point: 250° to 270°C; **Density:** 2.34g/mL;
DOT Class 6.1: Poison; **UN:** 2811



Sodium Potassium Tartrate Tetrahydrate Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S387-500 |
| 3kg | Poly Bottle | S387-3 |
| 10kg | Poly Pail | S387-10 |

Crystalline; 99 to 102%; Seignette Salt, Tartaric Acid Sodium Potassium Salt, Rochelle Salt; $\text{NaKC}_4\text{H}_4\text{O}_6 \cdot 4\text{H}_2\text{O}$; F.W. 282.22; CAS [6381-59-5]; **Melting Point:** 70° to 80°C (158° to 176°F); **Boiling Point:** 437.22°C

ChemAlert®
Storage Code
GRAY

Sodium Salicylate

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 1000g | ---- | AAA170560B |

99%; Salicylic Acid Sodium Salt, Sodium 2-Hydroxybenzoate; $\text{C}_7\text{H}_5\text{NaO}_3$; F.W. 160.11; CAS [54-21-7]; **Melting Point:** >300°C

Sodium L-(+)-Tartrate Dihydrate Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | S433-100 |
| 500g | Poly Bottle | S433-500 |

Crystalline; ≥99.0%; Tartaric Acid Disodium Salt; $\text{C}_4\text{H}_4\text{O}_6\text{Na}_2 \cdot 2\text{H}_2\text{O}$; F.W. 230.08; CAS [6106-24-7]; **Melting Point:** 150°C; **Density:** 1.8g/mL

ChemAlert®
Storage Code
GRAY

Sodium Taurocholate Hydrate

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAA1834606 |
| 25g | ---- | AAA1834614 |

97%; $\text{C}_{26}\text{H}_{44}\text{NNaO}_3 \cdot \text{S} \cdot \text{XH}_2\text{O}$; F.W. 537.73 (anhy); CAS [145-42-6]

Sodium Triacetoxymethylborohydride

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC29182-1000 |

97%; $\text{C}_6\text{H}_{10}\text{BNaO}_6$; $\text{NaB}(\text{O}_2\text{CCH}_3)_3\text{H}$; F.W. 211.94; CAS [56553-60-7]; **Melting Point:** 114.0° to 118.0°C; **UN:** 3396

D-Sorbitol Laboratory Grade

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S459-500 |

Powder; D-Glucitol; $\text{C}_6\text{H}_{14}\text{O}_6$; $\text{CH}_2\text{OH}(\text{CHOH})_4\text{CH}_2\text{OH}$; F.W. 182.17; CAS [50-70-4]; **Melting Point:** 75°C; **Boiling Point:** 295°C; **Density:** 1.49g/mL

ChemAlert®
Storage Code
GRAY

Stearic Acid Laboratory Grade

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A292-500 |

Octadecanoic Acid; $\text{C}_{18}\text{H}_{36}\text{O}_2$; $\text{CH}_3(\text{CH}_2)_{16}\text{COOH}$; F.W. 284.49; CAS [57-11-4]; **Melting Point:** 67° to 69°C (152.6° to 156.2°F); **Flash Point:** 196°C; **Boiling Point:** 361°C; **Density:** 0.84g/mL; Prill

ChemAlert®
Storage Code
GRAY

Stearic Acid

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAA1224414 |
| 100g | ---- | AAA1224422 |

98%; $\text{CH}_3(\text{CH}_2)_{16}\text{CO}_2\text{H}$; F.W. 284.48; CAS [57-11-4]; **Melting Point:** 69° to 71°C; **Flash Point:** 196°C; **Boiling Point:** 232°C/15mmHg

trans-Stilbene

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC16104-0025 |

White to Slightly Beige Crystals or Crystalline Powder; 96%; trans-1,1'-(1,2-Ethenediyl)bis(benzene); $\text{C}_{14}\text{H}_{12}$; $\text{C}_6\text{H}_5\text{CH}=\text{CHC}_6\text{H}_5$; F.W. 180.25; CAS [103-30-0]; **Melting Point:** 122.0°C to 126.0°C; **Boiling Point:** 305.0°C to 307.0°C (744.0 mmHg); **UN:** 3077

2-Succinimido-1,1,3,3-tetramethyluronium Tetrafluoroborate

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 25g | ---- | AAL1353814 |

98%; TSTU; $\text{C}_8\text{H}_{16}\text{BF}_4\text{N}_2\text{O}_5$; F.W. 301.05; CAS [105832-38-0]; **Melting Point:** 195° to 200°C

Sucrose

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S5-500 |
| 3kg | Poly Bottle | S5-3 |
| 12kg | Poly Pail | S5-12 |

Crystalline; Cane Sugar, Saccharose, Sugar; $\text{C}_{12}\text{H}_{22}\text{O}_{11}$; F.W. 342.3; CAS [57-50-1]; **Melting Point:** 190° to 192°C (374° to 377.6°F)

ChemAlert®
Storage Code
GRAY

Sucrose

NF

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S3-500 |
| 2.5kg | Poly Bottle | S3-212 |

Crystalline; Cane Sugar, Saccharose, Sugar; $\text{C}_{12}\text{H}_{22}\text{O}_{11}$; F.W. 342.3; CAS [57-50-1]; **Melting Point:** 190° to 192°C (374° to 377.6°F)

ChemAlert®
Storage Code
GRAY

Sucrose

NF/EP/BP/JP

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S6-500 |
| 2.5kg | Poly Bottle | S6-212 |
| 12kg | Poly Pail | S6-12 |

Crystalline; Cane Sugar, Saccharose, Sugar; $\text{C}_{12}\text{H}_{22}\text{O}_{11}$; F.W. 342.3; CAS [57-50-1]; **Melting Point:** 190° to 192°C (374° to 377.6°F)

ChemAlert®
Storage Code
GRAY

Sucrose

EP/BP/NF

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S2-500GM |
| 2.5kg | Poly Bottle | S2-212 |
| 12kg | Poly Pail | S2-12 |

Crystalline; Cane Sugar, Saccharose, Sugar; $\text{C}_{12}\text{H}_{22}\text{O}_{11}$; F.W. 342.3; CAS [57-50-1]; **Melting Point:** 190° to 192°C (374° to 377.6°F)

ChemAlert®
Storage Code
GRAY

Sucrose

ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 2.5kg | ---- | MSX10753 |

Crystalline; Saccharose; $C_{12}H_{22}O_{11}$; **FW.** 342.3; CAS [57-50-1]; White

D(+)-Sucrose

Biochemical Grade



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 25kg | Plastic Bag in Cardbox | AC41976-0250 |

≥99%; Saccharose; $C_{12}H_{22}O_{11}$; **FW.** 342.29; CAS [57-50-1];
Melting Point: 190.0° to 192.0°C

Sulfanilic Acid, Anhydrous

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A296-500 |

Crystalline; 98.0 to 102.0%; Aniline p-Sulfonic Acid, 4-Aminobenzenesulfonic Acid; $C_6H_7NO_3S$; 4- $NH_2C_6H_4SO_3H$;
FW. 173.19; CAS [121-57-3]; **Melting Point:** 287.78°C;
Density: 1.49g/mL



Sulfolane

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5000g | ---- | AAA1346601 |

99%; Tetramethylene Sulfone; Tetrahydrothiophene 1,1-dioxide;
 $C_4H_8O_2S$; **FW.** 120.17; CAS [126-33-0]; **Melting Point:** 25° to 28°C;
Flash Point: 166°C (330°F); **Boiling Point:** 285°C

5-Sulfosalicylic Acid Dihydrate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | A297-100 |
| 500g | Glass Bottle | A297-500 |
| 3kg | Poly Bottle | A297-3 |

Crystalline; 99.0 to 101.0%; 2-Hydroxy-5-sulfobenzoic Acid;
 $C_7H_6O_5S \cdot 2H_2O$; 1-(OH)-2-(COOH)-4- $SO_3H-C_6H_3 \cdot 2H_2O$;
FW. 254.22; CAS [5965-83-3]; **Melting Point:** 106° to 110°C;
DOT Class 8: Corrosive; **UN:** 2585



L(-)-Tartaric Acid

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A314-500 |

Granular; ≥99.0%; 2,3-Dihydroxybutanedioic Acid, Dioxysuccinic Acid, Dextrorotartaric Acid; $C_4H_6O_6$;
 $HOOC(CHOH)_2COOH$; **FW.** 150.09; CAS [87-69-4];
Melting Point: 168° to 170°C; **Density:** 1.76g/mL



α-Terpineol

Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | T31-1 |

p-Menth-1-en-8-ol; $C_{10}H_{18}O$; $CH_3C:CHCH_2CH[C(CH_3)_2OH]CH_2CH_2$;
FW. 154.25; CAS [98-55-5];
Melting Point: 31° to 34°C (87.8° to 93.2°F); **Flash Point:** 90°C;
Boiling Point: 214° to 224°C; **Density:** >1.0g/mL



α-Terpineol



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC30161-0025 |

≥97%; p-Menth-1-en-8-ol; $C_{10}H_{18}O$; **FW.** 154.25; CAS [98-55-5];
Melting Point: 31.0° to 34.0°C; **Flash Point:** 90°C;
Boiling Point: 214.0° to 224.0°C; **Density:** 0.9370g/mL

Tetrafluoroboric Acid

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4 x 500g | ---- | AA1148457 |

Liquid; 48% min.; HBF_4 ; **FW.** 87.81; CAS [16872-11-0];
Density: 1.44g/cm³; **UN:** 1775

1,4,8,11-Tetraazacyclotetradecane



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC26933-0250 |

98%; Cyclam; $C_{10}H_{24}N_4$; **FW.** 200.33; CAS [295-37-4];
Melting Point: 185.0° to 188.0°C

1,1,2-Tetrabromoethane

Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A33-500 |

Acetylene Tetrabromide, Muthmann Liquid, sym-Tetrabromoethane; $C_2H_2Br_4$; $CHBr_2CHBr_2$; **FW.** 345.67;
CAS [79-27-6]; **Melting Point:** 0°C (32°F);
Boiling Point: 243.89°C; **Density:** 2.96g/mL;
DOT Class 6.1: Poison; **UN:** 2504



Tetrabutylammonium Chloride Hydrate



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC43206-1000 |

98%; $Cl \cdot xH_2O$; **FW.** 277.92; CAS [37451-68-6];
Melting Point: 37.0° to 39.0°C

Tetrabutylammonium Fluoride



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC45180-1000 |

$C_{16}H_{36}FN$; $[CH_3(CH_2)_3]_4NF$; **FW.** 261.46; CAS [429-41-4];
Density: 0.9530g/mL

Tetrabutylammonium Fluoride



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 800mL | AcroSeal™ Glass Bottle | AC43351-8000 |

TBAF; $C_{16}H_{36}FN$; $[CH_3(CH_2)_3]_4NF$; **FW.** 261.46;
CAS [429-41-4, 109-99-9, 7732-18-5]; **Flash Point:** -17°C;
Density: 0.8870g/mL; **UN:** 2924

Tetrabutylammonium Hydrogen Sulfate

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|----------|
| 500g | Wide Mouth Amber Glass Bottle | 02004408 |

98%; $(CH_3CH_2CH_2CH_2)_4NHSO_4$; **FW.** 339.54; CAS [32503-27-8]

Tetrabutylammonium Hydroxide



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 800mL | AcroSeal™ Glass Bottle | AC42895-8000 |

$C_{16}H_{37}NO$; $[CH_3(CH_2)_3]_4NOH$; **FW.** 259.46; **CAS** [2052-49-5, 67-56-1];
Melting Point: -98.0°C; **Flash Point:** 12°C; **Boiling Point:** 65.0°C;
Density: 0.9100g/mL; **UN:** 3286

Tetrabutylammonium Hydroxide

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | 02004409 |

Meets ACS Specifications; $(CH_3CH_2CH_2CH_2)_4NOH$; **FW.** 259.48;
 in Water

Tetrabutylammonium Hydroxide



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5L | Glass Bottle | AC12353-0025 |

$C_{16}H_{37}NO$; $[CH_3(CH_2)_3]_4NOH$; **FW.** 259.47;
CAS [2052-49-5, 108-88-3, 67-56-1]; **Flash Point:** 4°C;
Density: 0.8500g/mL

Tetrabutylammonium Hydroxide

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------------|----------|
| 500g | HDPE Pressure Bottom Poly Bottle | 02004407 |

$(CH_3CH_2CH_2CH_2)_4NOH$; **FW.** 259.48; **CAS** [2052-49-5];
 Titrant (0.4M in H_2O)

Tetrabutylammonium Phosphate

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|----------|
| 25g | Wide Mouth Amber Glass Bottle | 02004411 |

$(CH_3CH_2CH_2CH_2)_4NH_2PO_4$; **FW.** 339.46; **CAS** [5574-97-0]

Tetrabutylammonium Phosphate

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | 06117-25 |

White to Off-white Powder; $\geq 98.5\%$; $C_{16}H_{38}NO_4P$;
 $(CH_3CH_2CH_2CH_2)_4NH_2PO_4$; **FW.** 339.45; **CAS** [5574-97-0];
Melting Point: 148° to 151°C

Tetrabutylammonium Phosphate Monobasic



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC42016-1000 |

99%; Tetrabutylammonium Dihydrogen Phosphate; $C_{16}H_{38}NO_4P$;
 $(CH_3(CH_2)_3)_4NH_2PO_4$; **FW.** 339.45; **CAS** [5574-97-0];
Melting Point: 148.0° to 151.0°C

Tetrachloroauric(III) Acid Trihydrate

ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1g | Glass Bottle | AC41107-0010 |

Chloroauric Acid Trihydrate, Gold Trichloride Acid Trihydrate;
FW. 393.83; **CAS** [16961-25-4]; **UN:** 3260

Tetrachloroethylene

ULTRA RESI-ANALYZED™



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02004412 |

$Cl_2C=CCl_2$; **FW.** 165.83; **CAS** [127-18-4]

Tetrachloroethylene

Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | 04586-4 |

Tetrachloroethene, Perchloroethylene, Ethylene
 Tetrachloride; C_2Cl_4 ; $CCl_2=CCl_2$; **FW.** 165.83; **CAS** [127-18-4];
Melting Point: -22.3°C; **Boiling Point:** 121°C;
Density: 5.8 (Air=1.0); **DOT Class 6.1:** Poison; **UN:** 1897



Tetrachloroethylene

Spectrophotometric Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA32437K2 |
| 4 x 1L | ---- | AA32437M1 |
| 4L | ---- | AA32437K7 |

Liquid; $>99\%$; Perchloroethylene; $Cl_2C=CCl_2$; **FW.** 165.83;
CAS [127-18-4]; **Melting Point:** -22°C; **Boiling Point:** 120° to 121°C;
Density: 1.623 g/mL; Ultrapure

Tetrachloroethylene



| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 2.5L | ---- | AAB200890F |

99%; Perchloroethylene, Perklone; C_2Cl_4 ; $Cl_2C=CCl_2$; **FW.** 165.83;
CAS [127-18-4]; **Melting Point:** -22°C; **Boiling Point:** 120° to 121°C;
Transport Hazard Class: 6.1; **UN:** 1897

Tetrachloroethylene

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC44569-0010 |
| 2.5L | Glass Bottle | AC44569-0025 |

$\geq 99\%$; Perchloroethylene; C_2Cl_4 ; $Cl_2C=CCl_2$; **FW.** 165.83;
CAS [127-18-4]; **Melting Point:** -22.0°C;
Boiling Point: 120.0° to 122.0°C; **Density:** 1.6250g/mL

Tetradecane

Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | 04595-500 |

$\geq 98\%$; $C_{14}H_{30}$; $CH_3(CH_2)_{12}CH_3$; **FW.** 198.39; **CAS** [629-59-4];
Melting Point: 5.8°C; **Flash Point:** 99°C;
Boiling Point: 252° to 254°C; **Density:** 6.8 (Air=1.0)



n-Tetradecane



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA3080936 |

Liquid; $>99\%$; $C_{14}H_{30}$; **FW.** 198.39; **CAS** [629-59-4]; **Melting Point:** 4°C;
Flash Point: 99°C; **Density:** 0.763g/mL

Tetradecyl Sodium Sulfate



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC42026-0250 |

95%; $C_{14}H_{29}NaO_4S$; $CH_3(CH_2)_{13}OSO_3Na$; **FW.** 316.44; **CAS** [1191-50-0];
Melting Point: 199.0°C

Tetraethyl Orthosilicate Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | 04617-4 |

Tetraethoxysilane, Ethyl Orthosilicate; $C_8H_{20}O_4Si$; $(C_2H_5O)_4Si$;
F.W. 208.33; **CAS** [78-10-4]; **Melting Point:** $-77^\circ C$;
Flash Point: $45^\circ C$; **Boiling Point:** 165° to $166^\circ C$;
Density: 7.2 (Air=1.0)



Tetraethyl Orthosilicate



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100mL | Glass Bottle | AC15781-1000 |
| 1L | Glass Bottle | AC15781-0010 |

98%; Ethyl Silicate, Tetraethoxysilane, TEOS; $C_8H_{20}O_4Si$; $Si(OC_2H_5)_4$;
F.W. 208.33; **CAS** [78-10-4]; **Melting Point:** $-77.0^\circ C$; **Flash Point:** $45^\circ C$;
Boiling Point: 166.0° to $169.0^\circ C$; **Density:** 0.9400g/mL; **UN:** 1292

Tetraethylammonium Bromide Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500g | Glass Bottle | 04602-500 |

$\geq 98\%$; TEAB, N,N,N-Triethylethanaminium Bromide;
 $(C_2H_5)_4NBr$; **F.W.** 210.16; **CAS** [71-91-0]; **Density:** 1.4g/mL



1,2,3,4-Tetrahydronaphthalene Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | T72-4 |

$C_{10}H_{12}$; $C_8H_4CH_2CH_2CH_2CH_2$; **F.W.** 132.21;
CAS [119-64-2, 91-17-8, 91-20-3]; **Melting Point:** $-30^\circ C$;
Boiling Point: $207^\circ C$; **Density:** 0.97g/mL



1-Tetrahydropyran-4-yl-1H-pyrazol-4-ylamine



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC45357-0050 |

97%; $C_8H_{13}N_3O$; **F.W.** 167.21; **CAS** [1190380-49-4];
Melting Point: 105° to $107^\circ C$

1,2,3,4-Tetrahydroquinoline



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5kg | Glass Bottle | AC13827-0025 |

98%; $C_8H_{11}N$; **F.W.** 133.19; **CAS** [635-46-1];
Melting Point: 15.0° to $17.0^\circ C$; **Flash Point:** $100^\circ C$;
Boiling Point: $249.0^\circ C$; **Density:** 1.0600g/mL

Tetrakis(triphenylphosphine)palladium

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 10g | ---- | AA1054809 |

Crystalline; 99.8% (Metal Basis), Pd 9% min; Pd $[P(C_6H_5)_3]_4$;
F.W. 1155.57; **CAS** [14221-01-3]; **Melting Point:** 100° to $105^\circ C$;
Hydrosilation, isomerization, carbonylation

4,4,5,5-Tetramethyl-2-(2-methyl-3-furyl)-1,3,2-dioxaborolane



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC45152-0050 |

90%; $C_{11}H_{17}BO_3$; **F.W.** 208.06; **CAS** [864776-02-3]

Tetramethylammonium Hydroxide Electronic Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1 gal | ---- | AA20932LV |

Liquid; 99.9999% (Metal Basis); $C_4H_{13}NO$; $(CH_3)_4NOH$; **F.W.** 91.15;
CAS [75-59-2]; **Boiling Point:** $\approx 102^\circ C$; **Density:** 1.016g/mL;
Transport Hazard Class: 8; **UN:** 1835; Colorless to pale yellow;
25% w/w aq. soln.

Tetramethylammonium Hydroxide

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA20932K2 |

$(CH_3)_4NOH$; **F.W.** > 91.15 ; **CAS** [75-59-2];
Tetramethylammonium hydroxide; 25% w/w aqueous solution;
Electronic Grade; 99.9%

Tetramethyl Orthocarbonate



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC15811-0250 |

99%; Tetramethoxymethane; $C_5H_{12}O_4$; **F.W.** 136.15; **CAS** [1850-14-2];
Melting Point: $-5^\circ C$; **Flash Point:** $22^\circ C$; **Boiling Point:** $114^\circ C$;
Density: 1.02g/mL

Tetramethylene Sulfone



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10L | Plastic Drum | AC13843-0100 |

$\geq 99\%$; Sulfolane, Tetrahydrothiophene 1,1-dioxide; $C_4H_8O_2S$;
F.W. 120.17; **CAS** [126-33-0]; **Melting Point:** 27.4° to $27.8^\circ C$;
Flash Point: $165^\circ C$; **Boiling Point:** $285.0^\circ C$; **Density:** 1.2600g/mL

Thiamine Hydrochloride

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 250g | ---- | AAA1956030 |

99% (dry wt.), may cont. up to 5% water;
Vitamin B1 Hydrochloride, Aneurine Hydrochloride; $C_{12}H_{17}ClN_4OS \cdot HCl$;
F.W. 337.28; **CAS** [67-03-8]; **Melting Point:** $\approx 250^\circ C$ (dec.)

Thiazolyl Blue Tetrazolium Bromide



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 250mg | Glass Bottle | AC15899-2500 |

98%; 3-(4,5-Dimethylthiazol-2-yl)-2,5-diphenyl-2H-tetrazolium
Bromide; $C_{18}H_{18}BrN_5S$; **F.W.** 414.32; **CAS** [298-93-1];
Melting Point: $195.0^\circ C$; **UN:** 1325

Thioacetamide Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | T102-500 |

Crystalline Powder; $\geq 99\%$; Ethanethioamide; C_2H_5NS ;
 CH_3CSNH_2 ; **F.W.** 75.13; **CAS** [62-55-5];
Melting Point: 111° to $114^\circ C$



DL- α -Tocopherol

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 250g | ---- | AAA1703930 |

>97%; Vitamin E; C₂₉H₅₀O₂; **F.W.** 430.72; CAS [10191-41-0];
Melting Point: 2° to 4°; **Flash Point:** 240°C;
Boiling Point: 200° to 220°C; **Density:** 0.950g/mL

p-Toluenesulfonyl Chloride

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10kg | Plastic Drum | AC13903-0100 |

≥99%; Tosyl Chloride; C₇H₇ClO₂S; CH₃C₆H₄SO₂Cl; **F.W.** 190.65;
 CAS [98-59-9]; **Melting Point:** 67.0° to 69.0°C; **Flash Point:** 128°C;
Boiling Point: 134.0°C (10.0mmHg)

Topiramate

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1g | Glass Bottle | AC45619-0010 |

98%; 2,3,4,5-Bis-O-(1-methylethylidene)-beta-D-fructopyranose Sulfamate; C₁₂H₂₁NO₈S; **F.W.** 339.36; CAS [97240-79-4]
Melting Point: 125°C

N-Tosylpyrrole

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC27006-0250 |

Beige to Light Brown Crystalline Powder; 98%; C₁₁H₁₁NO₂S;
F.W. 221.28; **Melting Point:** 103.0°C to 104.5°C

D-(+)-Trehalose Dihydrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 100g | ---- | AAA1943422 |

99%; C₁₂H₂₂O₁₁; **F.W.** 378.33 (342.29 anhy); CAS [99-20-7];
Melting Point: 214° to 216°C

Tributyl Phosphate

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|------------|--------------|
| 10L | Metal Drum | AC16993-0100 |

≥99%; TBP; C₁₂H₂₇O₄P; [CH₃(CH₂)₃O]₃P(O); **F.W.** 266.32;
 CAS [126-73-8]; **Melting Point:** -79.0°C; **Flash Point:** 146°C;
Boiling Point: 289.0°C; **Density:** 0.9790g/mL

1,1,2-Trichloro-1,2,2-trifluoroethane

Optima™

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | T178-1 |

Freon™; C₂Cl₃F₃; FCCl₂CClF₂; **F.W.** 187.37; CAS [76-13-1];
Melting Point: -36°C; **Boiling Point:** 47° to 48°C;
Density: 6.5 (Air = 1.0); Certificate of Lot Analysis included with each bottle; UV and other chromatograms available on request.

ChemAlert® Storage Code GRAY

1,2,4-Trichlorobenzene

HPLC Grade

J.T.Baker

| Quantity | Packaging | Cat. No. |
|----------|--|----------|
| 3.8L | Narrow Mouth PVC Coated Amber Glass Bottle | 02002006 |

C₆H₃Cl₃; **F.W.** 181.45; CAS [120-82-1]; **Flash Point:** 105.00°C
 Packaged under Argon

1,2,4-Trichlorobenzene

HPLC Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------------------------|----------|
| 4L | Amber Glass Bottle, EcoSafPak™ | 04846-4 |

96% min by GC; C₆H₃Cl₃; **F.W.** 181.45; CAS [120-82-1];
Melting Point: 16°C; **Boiling Point:** 214°C; **Density:** 1.46g/mL;
DOT Class 6.1: Poison; **UN:** 2321;
 Filtered through 0.2-micron filter.

ChemAlert® Storage Code BLUE

1,1,2-Trichloroethane

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5L | Glass Bottle | AC13943-0025 |

98%; C₂H₃Cl₃; ClCH₂CHCl₂; **F.W.** 133.40; CAS [79-00-5];
Melting Point: -37.0°C; **Boiling Point:** 110.0° to 115.0°C;
Density: 1.4300g/mL

Trichloroethylene

ACS Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA19401K7 |

Liquid; ≤99.5%; Trichloroethene; ClCH=CCl₂; **F.W.** 131.39; CAS [79-01-6];
Melting Point: -85°C; **Boiling Point:** 87°C; **Density:** 1.46g/mL;
Transport Hazard Class: 6.1; **UN:** 1710

Trichloroethylene

ACS Reagent

MACRON

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | MK86004 |

ClCH=CCl₂; **F.W.** 131.39; CAS [79-01-6]

Trichloroethylene

Electronic Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA41963K7 |
| 4 × 4L | ---- | AA41963M6 |

Liquid; >99.5%; ClCH=CCl₂; **F.W.** 131.39; CAS [79-01-6];
Melting Point: -85°C (-121°F); **Boiling Point:** 87°C (189°F);
Density: 1.46g/cm³ at 20°C; **UN:** 1710; Colorless

Triethanolamine

Certified

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | T407-500 |
| 1L | Glass Bottle | T407-1 |
| 4L | Glass Bottle | T407-4 |

≥99%; Tri-β-hydroxy Ethylamine, Trolamine; (HOCH₂CH₂)₃N;
 N(CH₂CH₂OH)₃; **F.W.** 149.14; CAS [102-71-6];
Melting Point: 21°C; **Flash Point:** 190°C; **Boiling Point:** 335°C;
Density: 5.14 (Air = 1.0)

ChemAlert® Storage Code GRAY

Triethanolamine

NF

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | T350-500 |
| 4L | Glass Bottle | T350-4 |

99.0 to 107.4%; Trolamine, Tri-beta-hydroxy Ethylamine;
 (HOCH₂CH₂)₃N; N(CH₂CH₂OH)₃; **F.W.** 149.14; CAS [102-71-6];
Melting Point: 21°C; **Flash Point:** 190°C; **Boiling Point:** 335°C;
Density: 5.14 (Air = 1.0)

ChemAlert® Storage Code GRAY

Triethylamine HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 686mL | Glass Bottle | MTX12025 |

Liquid; >99.5%; (CH₃CH₂)₃N; **FW**: 11.19; Clear

Triethylamine BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02004535 |

(C₂H₅)₃N; **FW**: 101.19; CAS [121-44-8]; **Flash Point**: -11.00°C

Triethylamine HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100mL | Glass Bottle | 04884-100 |

≥99%; TEA, N,N-Diethylethanamine; C₆H₁₅N; (C₂H₅)₃N; **FW**: 101.19; CAS [121-44-8];**Melting Point**: -115°C (-175°F); **Flash Point**: -11°C;**Boiling Point**: 89° to 90°C; **Density**: 3.5 (Air = 1.0);**DOT Class 3**: Flammable Liquid; **UN**: 2966

Triethylamine Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | 04885-1 |
| 4L | Glass Bottle | 04885-4 |
| 20L | Steel Pail | 04885-20 |

≥99%; TEA, N,N-Diethylethanamine; C₆H₁₅N; (C₂H₅)₃N; **FW**: 101.19; CAS [121-44-8];**Melting Point**: -115°C (-175°F); **Flash Point**: -11°C;**Boiling Point**: 89° to 90°C; **Density**: 3.5 (Air = 1.0);**DOT Class 3**: Flammable Liquid; **UN**: 1296

Triethylamine

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500mL | ---- | AAA12646AP |

Liquid; 99%; (CH₃CH₂)₃N; **FW**: 101.19; CAS [121-44-8];**Melting Point**: -115°C (-175°F); **Flash Point**: -6°C (21°F);**Boiling Point**: 89° to 90°C; **Density**: 0.7255g/mL

Triethylamine Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 50g | Glass Bottle | AC21951-0500 |

99.7%; TETN; C₆H₁₅N; (C₂H₅)₃N; **FW**: 101.19; CAS [121-44-8];**Melting Point**: -115.0°C; **Flash Point**: -11°C; **Boiling Point**: 90.0°C;**Density**: 0.7280g/mL; **UN**: 1296

Triethylene Glycol Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | T346-4 |

C₆H₁₄O₄; **FW**: 150.18; CAS [112-27-6]; **Melting Point**: -7°C;**Flash Point**: 165°C; **Boiling Point**: 285°C;**Density**: 5.17 (Air = 1.0)

Tri(ethylene glycol)di-p-toluenesulfonate

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 250g | ---- | AAB2327930 |

98%; (CH₃C₆H₄SO₃CH₂CH₂OCH₂)₂; **FW**: 458.55; CAS [19249-03-7];**Melting Point**: 80° to 82°C

Trifluoroacetic Anhydride

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 2500g | ---- | AAA136140E |

TFAA; C₄F₆O₃; (CF₃CO)₂O; **FW**: 210.03; CAS [407-25-0];**Melting Point**: -65°C; **Boiling Point**: 39° to 40°C;**Transport Hazard Class**: 8; **UN**: 3265

Triisopropylsilane



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC44617-1000 |

98%; C₉H₂₂Si; **FW**: 158.36; CAS [6485-79-6]; **Flash Point**: 37°C;**Boiling Point**: 84° to 86°C (p=35 torr); **Density**: 0.773g/cm³; AcroSeal™

Triisopropylsilane



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 50g | Glass Bottle | AC21492-0500 |
| 250g | Glass Bottle | AC21492-2500 |

98%; C₉H₂₂Si; [(CH₃)₂CH]₃SiH; **FW**: 158.36; CAS [6485-79-6];**Flash Point**: 37°C; **Boiling Point**: 84.0° to 86.0°C (35.0mmHg);**Density**: 0.7730g/mL; **UN**: 1993

Trimethoprim



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC45512-0050 |

98%; Trimethoprim 2,4-Diamio-5-(3,4,5-trimethoxybenzyl)pyrimidine;

C₁₄H₁₈N₄O₃; **FW**: 290.32; CAS [738-70-5]; **Melting Point**: 234° to 236°C

Trimethylacetic Anhydride



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC16244-0010 |

99%; Pivalic Anhydride; C₁₀H₁₈O₃; [(CH₃)₃CCO]₂O; **FW**: 186.25;CAS [1538-75-6]; **Flash Point**: 63°C; **Boiling Point**: 193.0°C;**Density**: 0.9100g/mL; **UN**: 3265

Trimethyloxonium Tetrafluoroborate

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 250g | ---- | AAA1517530 |

96%; (CH₃)₃OBf₄; **FW**: 147.91; CAS [420-37-1]; **Melting Point**: ca. 200°C

2,2,4-Trimethylpentane ACS Reagent

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA31787K2 |
| 4L | ---- | AA31787K7 |
| 4 × 1L | ---- | AA31787M1 |
| 500mL | ---- | AA31787AP |

Liquid; >99%; Isooctane; (CH₃)₂CHCH₂C(CH₃)₃; **FW**: 114.23;CAS [540-84-1]; **Melting Point**: -107°C; **Boiling Point**: 98 to 99°C;**Density**: 0.692g/cm³ at 20°C; **UN**: 1262; Colorless

Trimethyl Phosphate



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5L | Glass Bottle | AC15797-0025 |

99%; C₃H₉O₄P; (CH₃)₃P(O); **FW.** 140.08; CAS [512-56-1];
Melting Point: -46.0°C; **Flash Point:** 107°C; **Boiling Point:** 197.0°C;
Density: 1.1900g/mL

Trimethylsilylacetylene



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC20357-0250 |

Clear Colorless Liquid; 98%; C₅H₁₀Si; (CH₃)₃SiC≡CH; **FW.** 98.22;
 CAS [1066-54-2]; **Flash Point:** -34°C; **Boiling Point:** 53°C (760mm Hg);
Density: 0.69g/mL; **UN:** 1993

Trimethyltin Hydroxide



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC44922-0050 |
| 25g | Glass Bottle | AC44922-0250 |

98%; C₃H₁₀OSn; (CH₃)₃SnOH; **FW.** 180.82; CAS [56-24-6];
Melting Point: 118.0° to 119.0°C

2,3,5-Triphenyl-2H-tetrazolium Chloride

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 50g | ---- | AAA1087018 |

98%; TTC; C₁₅H₁₅ClN₄; **FW.** 334.81; CAS [298-96-4];
Melting Point: ≈250°C (dec.)

Triphenylphosphine



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5kg | Plastic Drum | AC14042-0050 |

99%; C₁₈H₁₅P; (C₆H₅)₃P; **FW.** 262.28; CAS [603-35-0];
Melting Point: 78.5° to 81.5°C; **Flash Point:** 181°C;
Boiling Point: 377.0°C

Triphenylphosphine

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA1411222 |

Flakes; >99%; (C₆H₅)₃P; **FW.** 262.29; CAS [603-35-0];
Melting Point: 79° to 81°; **Flash Point:** 181°C; **Boiling Point:** 360°;
Density: 1.2g/mL

n-Undecane



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100mL | Glass Bottle | AC14066-1000 |
| 500mL | Glass Bottle | AC14066-5000 |
| 10L | Glass Bottle | AC14066-0100 |

99%; C₁₁H₂₄; CH₃(CH₂)₉CH₃; **FW.** 156.31; CAS [1120-21-4];
Melting Point: -26.0°C; **Flash Point:** 60°C; **Boiling Point:** 196.0°C;
Density: 0.7400g/mL; **UN:** 2330

Uracil



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC15730-0025 |

White to Slightly Yellowish Crystalline Powder; 99+%;
 2,4(1H,3H)-Pyrimidinedione; C₄H₄N₂O₂; **FW.** 112.09; CAS [66-22-8];
Melting Point: 335.0°C

Uranine



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | A833-100 |
| 500g | Poly Bottle | A833-500 |

Concentrated; Fluorescein Sodium Salt; C₂₀H₁₀O₅·2Na;
FW. 376.28; CAS [518-47-8]; **Melting Point:** 320°C (608°F);
C.I. 45350

ChemAlert®
Storage Code
GRAY

Used by nuclear utilities to test cooling systems for small leaks.

Urea



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | U15-500 |
| 3kg | Poly Bottle | U15-3 |
| 50kg | Fiber Drum | U15-50 |

White Crystals; 99.0 to 100.5%; Carbamide; CH₄N₂O;
 NH₂CONH₂; **FW.** 60.06; CAS [57-13-6];
Melting Point: 131° to 135°C (267.8° to 275°F);
Density: 1.34g/mL

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Urea



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | U16-3 |
| 50kg | Fiber Drum | U16-50 |

Carbamide; CH₄N₂O; NH₂CONH₂; **FW.** 60.06; CAS [57-13-6];
Melting Point: 131° to 135°C (267.8° to 275°F);
Density: 1.34g/mL

ChemAlert®
Storage Code
GRAY

Urea



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10kg | Plastic Drum | AC42458-0100 |

99%; Carbamide; CH₄N₂O; H₂NCONH₂; **FW.** 60.06; CAS [57-13-6];
Melting Point: 131.0° to 135.0°C

Vancomycin Hydrochloride



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC29699-0050 |

C₆₆H₇₅Cl₂N₉O₂₄·HCl; **FW.** 1485.73; CAS [1404-93-9]

Vancomycin Hydrochloride

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 5g | ---- | AAJ6279006 |

Powder; C₆₆H₇₅Cl₂N₉O₂₄·HCl; **FW.** 1485.73; CAS [1404-93-9];
Recommended Storage: 2° to 8°C; Off-white
 Inhibits bacterial mucopeptide synthesis

Vanillin

NF



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | V10-100 |

Crystalline; Methyl Protocatechuic Aldehyde, Vanillic Aldehyde, 3-Methoxy-4-Hydroxybenzaldehyde; $C_8H_8O_3$; 1-(CHO)-3-(OCH₃)-4-(OH)-C₆H₃; **F.W.** 152.15; CAS [121-33-5]; **Melting Point:** 80° to 83°C; **Boiling Point:** 285°C; **Density:** 1.06g/mL

ChemAlert®
Storage Code
GRAY

Vanillin

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500g | ---- | AAA1116936 |

99%; 4-Hydroxy-3-methoxybenzaldehyde; $C_8H_8O_3$; **F.W.** 152.15; CAS [121-33-5]; **Melting Point:** 81° to 83°C; **Flash Point:** 153°C (307°F); **Boiling Point:** 170°C (15mmHg)

D(+)-Xylose

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC14100-0025 |

≥99%; $C_5H_{10}O_5$; **F.W.** 150.13; CAS [58-86-6]; **Melting Point:** 148.0° to 153.0°C

Zinc Stearate

USP



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | Z784-500 |

Powder; 12.5 to 14.0%; Stearic Acid Zinc Salt, Octadecanoic Acid Zinc Salt; $C_{38}H_{76}O_4Zn$; $Zn(C_{18}H_{35}O_2)_2$; **F.W.** 632.34; CAS [557-05-1]; **Melting Point:** 118° to 128°C

ChemAlert®
Storage Code
GRAY



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Aluminium Hydroxide Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 10kg | Plastic Bottle | AC21913-0100 |

White Powder; Al(OH)_3 ; Al(OH)_3 ; **F.W.** 78.00; CAS [21645-51-2];

Aluminum Nitrate Nonahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | A586-500 |
| 3kg | Glass Bottle | A586-3 |
| 10kg | Poly Pail | A586-10 |

Crystalline; 98.0 to 102.0%; Nitric Acid Aluminum Salt; $\text{Al(NO}_3)_3 \cdot 9\text{H}_2\text{O}$; $\text{Al(NO}_3)_3 \cdot 9\text{H}_2\text{O}$; **F.W.** 375.13; CAS [7784-27-2]; **Melting Point:** 73°C; **DOT Class 5.1:** Oxidizer; **UN:** 1438;



Aluminum Nitrate Nonahydrate



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 5kg | ---- | AA12360A7 |

Crystalline; 98%; $\text{Al(NO}_3)_3 \cdot 9\text{H}_2\text{O}$; **F.W.** 375.13; CAS [7784-27-2]; **Melting Point:** 73.5°C; **UN:** 1438; White;

Aluminum Oxide, Anhydrous Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | A591-500 |
| 3kg | Glass Bottle | A591-3 |

Powder; Aluminum Trioxide, Alumina; Al_2O_3 ; **F.W.** 101.96; CAS [1344-28-1]; **Melting Point:** 2000°C; **Boiling Point:** 2,980°C; **Density:** 4g/mL



Aluminum Sulfate Hydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A613-500 |

Crystalline; 98.0 to 102.0%; $\text{Al}_2\text{O}_3 \cdot \text{S}_3 \cdot 18\text{H}_2\text{O}$; $\text{Al}_2(\text{SO}_4)_3 \cdot n\text{H}_2\text{O}$; **F.W.** 666.42 (for 18-hydrate); CAS [7784-31-8]; **Melting Point:** 86°C



Aluminum Sulfate Hydrate Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | A611-3 |

$\text{Al}_2\text{S}_3 \cdot 0.12 \cdot x\text{H}_2\text{O}$; $\text{Al}_2(\text{SO}_4)_3 \cdot n\text{H}_2\text{O}$; CAS [57292-32-7]



Ammonium Acetate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A637-500 |
| 3kg | Poly Pail | A637-3 |
| 10kg | Poly Pail | A637-10 |

Crystalline; $\geq 97\%$; $\text{C}_2\text{H}_7\text{NO}_2$; $\text{CH}_3\text{COONH}_4$; **F.W.** 77.08; CAS [631-61-8]; **Melting Point:** 110°C (230°F); **Flash Point:** 136°C; **Density:** 1.07g/mL



Ammonium Acetate HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A639-500 |

Crystalline; $\geq 97\%$; Acetic Acid Ammonium Salt; $\text{C}_2\text{H}_7\text{NO}_2$; $\text{CH}_3\text{COONH}_4$; **F.W.** 77.08; CAS [631-61-8];

Melting Point: 110°C (230°F); **Flash Point:** 136°C;

Density: 1.07g/mL; Soluble in Methanol; Also meets ACS specifications



Ammonium Acetate HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1kg | Poly Bottle | 02002265 |

$\text{CH}_3\text{COONH}_4$; **F.W.** 77.08; CAS [631-61-8];

Ammonium Bifluoride Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A664-500 |
| 3kg | Poly Bottle | A664-3 |

Crystalline; Ammonium Acid Fluoride, Ammonium Hydrogen Difluoride; $\text{H}_2\text{F}_2\text{N}$; **F.W.** 57.04; CAS [1341-49-7];

Melting Point: 125°C; **Boiling Point:** 239.5°C;

Density: 1.5g/mL; **DOT Class 8:** Corrosive; **UN:** 1727



Ammonium Bromide ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC44631-0025 |

H_2BrN ; NH_4Br ; **F.W.** 97.94; CAS [12124-97-9]; **Melting Point:** 452.0°C; **Boiling Point:** 235.0°C

Ammonium Carbonate Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 3kg | Poly Pail | A652-3 |

Powder; $\text{CH}_8\text{N}_2\text{O}_3$; **F.W.** 96.07; CAS [506-87-6];

Melting Point: 58°C (136°F)



Ammonium Carbonate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A656-500 |

Lumps; $\text{CH}_8\text{N}_2\text{O}_3$; **F.W.** 96.07; CAS [506-87-6];

Melting Point: 58°C (136°F)



Ammonium Carbonate



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250g | ---- | AA1298030 |

Powder; 99.999% (Metal Basis); $(\text{NH}_4)_2\text{CO}_3$; **F.W.** 96.09; CAS [506-87-6]; **Melting Point:** 60° subl.

Ammonium Chloride USP/FCC/EP



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A687-500 |
| 2.5kg | Poly Bottle | A687-212 |
| 10kg | Poly Pail | A687-10 |

White Crystalline Powder; NH_4Cl ; **F.W.** 53.49; CAS [12125-02-9]; **Melting Point:** 328°C; **Boiling Point:** 520°C; **Density:** 1.53g/mL



Ammonium Chloride USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A649-500 |
| 3kg | Poly Bottle | A649-3 |

Granular; NH₄Cl; F.W. 53.49; CAS [12125-02-9];
Melting Point: 328°C; **Boiling Point:** 520°C; **Density:** 1.53g/mL



Ammonium Chloride Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A661-500 |
| 3kg | Poly Pail | A661-3 |
| 10kg | Poly Pail | A661-10 |

Crystalline; ≥99.5%; Sal Ammoniac; NH₄Cl; F.W. 53.49;
 CAS [12125-02-9]; **Melting Point:** 328°C; **Boiling Point:** 520°C;
Density: 1.53g/mL



Ammonium Chloride ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1kg | ---- | AA40193A1 |

Crystalline; 99.5% min; NH₄Cl; F.W. 53.49; CAS [12125-02-9];
Melting Point: 340°C

Ammonium Chloride



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA1236136 |

Granular; 99.5% min.; NH₄Cl; F.W. 53.49; CAS [12125-02-9];
Melting Point: 340°C; **Density:** 1.53g/cm³

Ammonium Chloride, 99.8% ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 500g | ---- | MAX12701 |

Sal Ammoniac; H₂CIN; NH₄Cl; F.W. 53.49; CAS [12125-02-9];
Melting Point: 335°C (sublimed); **Boiling Point:** 520°C;
Density: 1.52g/cm³ (20°C); Suprapur™

Ammonium Citrate Tribasic



| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500g | ---- | AAA1697336 |

>97%; Citric Acid Triammonium Salt, Triammonium Citrate; C₈H₁₇N₃O₇;
 F.W. 243.22; CAS [3458-72-8]; **Melting Point:** 180°C

Ammonium Dihydrogen Phosphate



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10kg | Plastic Drum | AC20183-0100 |

≥99%; Ammonium Phosphate, Monobasic; H₂NO₄P; NH₄H₂PO₄;
 F.W. 115.03; CAS [7722-76-1]; **Melting Point:** 190.0°C;

Ammonium Fluoride Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100g | Poly Bottle | A665-100 |
| 500g | Poly Bottle | A665-500 |

Crystalline; ≥98.0%; H₂FN; F.W. 37.04; CAS [12125-01-8];
DOT Class 6.1: Poison; **UN:** 2505



Ammonium Iodide ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA1166822 |

Granular; ≤99.0%; NH₄I; F.W. 144.94; CAS [12027-06-4];
Melting Point: 551°C (subl.); **Density:** 2.514g/mL

Ammonium Iodide ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 50g | Glass Bottle | AC19321-0500 |

H₄IN; F.W. 144.94; CAS [12027-06-4]; **Melting Point:** 551.0°C;
Density: 2.5100g/mL

Ammonium Molybdate Tetrahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A674-500 |
| 3kg | Poly Bottle | A674-3 |
| 10kg | Poly Pail | A674-10 |

Crystalline; 81.0 to 83.0%;
 Ammonium Heptamolybdate Tetrahydrate; (NH₄)₆Mo₇O₂₄·4H₂O;
 (NH₄)₆Mo₇O₂₄·4H₂O; F.W. 1235.86; CAS [12054-85-2];
Melting Point: 190°C; **Density:** 2.49g/mL



Ammonium Molybdate BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | 02002304 |

Crystal; Meets ACS Reagent Chemical Requirements;
 (NH₄)₆Mo₇O₂₄·4H₂O; F.W. 1235.86; CAS [12054-85-2]; 4-Hydrate;

Ammonium Nitrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A676-500 |
| 2.5kg | Poly Bottle | A676-212 |

Granular; ≥98.0%; NH₄NO₃; F.W. 80.04;
 CAS [6484-52-2]; **Melting Point:** 169°C; **Density:** 1.73g/mL;
DOT Class 5.1: Oxidizer; **UN:** 1942



Ammonium Nitrate



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250g | ---- | AA1063830 |

Crystalline; 100.00%; H₂N₂O₃; F.W. 80.04; CAS [6484-52-2];
Melting Point: 170°C; **Boiling Point:** 210°C; **Density:** 1.72g/cm³;
UN: 1942; Colorless

Ammonium Nitrate BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | 02002307 |

NH₄NO₃; F.W. 80.04; CAS [6484-52-2];
 Meets ACS Reagent Chemical Requirements;

Ammonium Peroxydisulfate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A682-500 |
| 3kg | Poly Bottle | A682-3 |
| 10kg | Poly Pail | A682-10 |

Crystalline; ≥98.0%; Ammonium Persulfate, APS; (NH₄)₂S₂O₈; F.W. 228.19; CAS [7727-54-0]; Density: 1.98g/mL; DOT Class 5.1: Oxidizer; UN: 1444



Ammonium Sulfate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A702-500 |
| 3kg | Poly Bottle | A702-3 |
| 10kg | Poly Pail | A702-10 |

Granular; ≥99.0%; (NH₄)₂SO₄; F.W. 132.14; CAS [7783-20-2]; Melting Point: 280°C; Density: 1.77g/mL



Ammonium Phosphate Dibasic Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A686-500 |

Crystalline; ≥98.0%; Ammonium Monohydrogen Phosphate, Diammonium Hydrogen Phosphate, Phosphoric Acid, Diammonium Salt; (NH₄)₂HPO₄; F.W. 132.06; CAS [7783-28-0]; Melting Point: 235°C; Density: 1.62g/mL



Ammonium Sulfate Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 3kg | Glass Bottle | A701-3 |
| 50kg | Fiber Drum | A701-50 |

Granular; (NH₄)₂SO₄; F.W. 132.14; CAS [7783-20-2]; Melting Point: 280°C; Density: 1.77g/mL



Ammonium Phosphate Monobasic Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | A684-500 |
| 3kg | Poly Bottle | A684-3 |

Crystalline; ≥98.0%; Ammonium Acid Phosphate, Ammonium Dihydrogen Phosphate; NH₄H₂PO₄; F.W. 115.03; CAS [7722-76-1]; Melting Point: 190°C; Density: 1.8g/mL



Ammonium Sulfate Pure



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 5kg | Plastic Bottle | AC44645-0050 |

99%; H₃N₂O₄S; (NH₄)₂SO₄; F.W. 132.14; CAS [7783-20-2]; Melting Point: 280.0°C

Ammonium Sulfate Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 5kg | Plastic Bottle | AC43438-0050 |

99%; H₃N₂O₄S; (NH₄)₂SO₄; F.W. 132.14; CAS [7783-20-2]; Melting Point: 280.0°C

Ammonium Phosphate Monobasic HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | A685-500 |

Crystalline; ≥98.0%; Phosphoric Acid Monoammonium Salt, Ammonium Dihydrogen Phosphate; NH₄H₂PO₄; F.W. 115.03; CAS [7722-76-1]; Melting Point: 190°C; Density: 1.8g/mL; Also meets ACS specifications;



Ammonium Phosphate Monobasic ACS Grade, EP



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 12kg | Poly Pail | MAX13507 |

99.0% min.; Ammonium Biphosphate, Ammonium Phosphate Monobasic, Monoammonium Orthophosphate; H₃NO₄P; (NH₄)H₂PO₄; F.W. 115.2; CAS [7722-76-1]; Melting Point: 19°C; Density: 1.80g/cm³ (20°C); EMSURE™, For Analysis;



Ammonium Sulfate, 99.0% ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 12kg | Poly Pail | MAX13855 |

Crystalline; H₃N₂O₄S; (NH₄)₂SO₄; F.W. 132.14; CAS [7783-20-2]; Density: 1.77g/cm³ (20°C); Suprapur™

Antimony Trichloride ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5kg | Glass Bottle | AC40137-0025 |

White Powder, Crystals and/or Chunks; Antimonous Chloride, Antimony(III) Chloride, Trichlorostibine; Cl₃Sb; SbCl₃; F.W. 228.11; CAS [10025-91-9]; Melting Point: 73°C; Boiling Point: 223.0°C; UN: 1733

Ammonium Phosphate Monobasic HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|----------|
| 1kg | Wide Mouth Amber Glass Bottle | 02002318 |

Crystal; NH₄H₂PO₄; F.W. 115.03; CAS [7722-76-1]; Meets ACS Reagent Chemical Requirements

Ammonium Sulfate Primary Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | A938-500 |

Crystalline; 20.98 to 21.38%; (NH₄)₂SO₄; F.W. 132.14; CAS [7783-20-2]; Melting Point: 280°C; Density: 1.77g/mL



Barium Chloride, Anhydrous Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100g | Poly Bottle | B31-100C |
| 500g | Poly Bottle | B31-500 |

Granular; ≥97%; BaCl₂; F.W. 208.23; CAS [10361-37-2]; Melting Point: 960°C; Boiling Point: 1560°C; Density: 3.86g/mL; DOT Class 6.1: Poison; UN: 1564



Barium Chloride Dihydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100g | Poly Bottle | B34-100 |
| 500g | Poly Bottle | B34-500 |
| 3kg | Poly Bottle | B34-3 |
| 10kg | Poly Pail | B34-10 |

Crystalline; $\geq 99.0\%$; $\text{BaCl}_2 \cdot 2\text{H}_2\text{O}$; F.W. 244.26; CAS [10326-27-9];
Melting Point: 962°C; **Boiling Point:** 1560°C;
Density: 3.86g/mL; **DOT Class 6.1:** Poison; **UN:** 1564



Barium Chloride Dihydrate Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 10kg | Poly Pail | B33-10 |
| 50kg | Fiber Drum | B33-50 |

Crystalline; $\text{BaCl}_2 \cdot 2\text{H}_2\text{O}$; F.W. 244.26; CAS [10326-27-9];
Melting Point: 962°C; **Boiling Point:** 1560°C;
Density: 3.86g/mL; **DOT Class 6.1:** Poison; **UN:** 1564



Barium Chloride Solution



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SB10-1 |

10% w/w; CAS [10361-37-2, 7732-18-5];
Density: 0.7 (Water = 1.0); Soluble in water



Barium Hydroxide Octahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | B46-500 |

Crystalline; $\geq 98.0\%$; $\text{Ba}(\text{OH})_2 \cdot 8\text{H}_2\text{O}$;
 F.W. 315.46; CAS [12230-71-6]; **Melting Point:** 78°C;
Density: 2.18g/mL; **DOT Class 8:** Corrosive; **UN:** 2923



Barium Nitrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | B53-500 |

White Crystalline Powder; $\geq 99.0\%$; Nitric Acid Barium Salt;
 $\text{Ba}(\text{NO}_3)_2$; F.W. 261.35; CAS [10022-31-8];
Melting Point: 592°C; **Density:** 3.24g/mL;
DOT Class 5.1: Oxidizer; **UN:** 1446



Barium Sulfate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | B68-500 |

Powder; BaSO_4 ; F.W. 233.39; CAS [7727-43-7];
Melting Point: 1580°C; **Density:** 4.4g/mL



Bismuth(III) Bromide



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC44777-1000 |

98%; BiBr_3 ; F.W. 448.69; CAS [7787-58-8];
Melting Point: 218.0°C; **Boiling Point:** 453.0°C

Bismuth Nitrate Pentahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | B337-500 |

Crystalline; $\geq 98.0\%$; $\text{Bi}(\text{NO}_3)_3 \cdot 5\text{H}_2\text{O}$; F.W. 485.07;
 CAS [10035-06-0]; **Melting Point:** 30°C; **Density:** 2.83g/mL;
DOT Class 5.1: Oxidizer; **UN:** 1477



Bismuth(III) Oxide



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250g | ---- | AA1713230 |

-325 Mesh Powder; 99.9% (Metal Basis); Bi_2O_3 ; F.W. 465.96;
 CAS [1304-76-3]; **Melting Point:** 817°C; **Boiling Point:** 1890°C;
Density: 8.9

Bismuth(III) Oxide Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5kg | Glass Bottle | AC19262-0050 |

White to Slightly Gray Powder; 98+%; Bismuth trioxide; Bi_2O_3 ;
 F.W. 465.95; **Melting Point:** 825.0°C; **Density:** 8.9000g/mL

Bismuth(III) Oxychloride Pure



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 1kg | Plastic Bottle | AC45384-0010 |

97%; Bismuthyl Chloride; BiClO ; O= BiCl ; F.W. 260.43; CAS [7787-59-9]

Boron Oxide



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA8996436 |

Powder; 99.98% (Metal Basis); B_2O_3 ; F.W. 69.62; CAS [1303-86-2];
Melting Point: 450°C; **Boiling Point:** 1860°C; **Density:** 2.46g/cm³; White

Bromine ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC44587-1000 |
| 500g | Glass Bottle | AC44587-5000 |

Br_2 ; F.W. 159.82; CAS [7726-95-6]; **Melting Point:** -7.2°C;
Boiling Point: 58.7°C; **Density:** 3.1110g/mL

Bromine Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 50mL | Amber Glass Bottle | B385-50 |
| 250mL | Amber Glass Bottle | B385-250 |

$\geq 99.5\%$; Br_2 ; F.W. 159.81; CAS [7726-95-6];
Melting Point: -7.2°C; **Boiling Point:** 58.7°C;
Density: 3.11g/mL; **DOT Class 8:** Corrosive; **UN:** 1744;
Atomic Weight: 79.91



Bromine, Liquid ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA3322022 |

Liquid; 99.5%; CAS [7726-95-6]; **Melting Point:** -7.3°C;
Boiling Point: 58.7°C; **Density:** 3.12g/cm³ at 20°C; **UN:** 1744;
 Red to Brown

Calcium Acetate Monohydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | C46-500 |

Powder; Acetic Acid Calcium Salt; $\text{Ca}_2\text{H}_4\text{O}_4 \cdot 1\text{H}_2\text{O}$;
 $\text{Ca}(\text{CH}_3\text{COO})_2 \cdot \text{H}_2\text{O}$; **F.W.** 176.18; **CAS** [5743-26-0];
Melting Point: 160.00°C; **Density:** 1.5g/mL

ChemAlert® Storage Code GRAY

Calcium Chloride Dihydrate USP/FCC/EP



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | C69-500 |

White Crystalline Powder; $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$; **F.W.** 147.01;
CAS [10035-04-8]; **Melting Point:** 175°C; **Density:** 0.83g/mL

ChemAlert® Storage Code GRAY

Calcium Carbonate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | C64-500 |
| 3kg | Poly Pail | C64-3 |

Powder; ≥99.0%; Kalkspar, Carbonic Acid Calcium Salt;
 CaCO_3 ; **F.W.** 100.09; **CAS** [471-34-1]; **Melting Point:** 825°C;
Density: 2.7g/mL

ChemAlert® Storage Code GRAY

Calcium Chloride Dihydrate ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC42352-0025 |

≥99%; $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$; **F.W.** 147.02; **CAS** [10035-04-8];
Melting Point: 175.0°C; **Density:** 0.8300g/mL

Calcium Carbonate USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 3kg | Poly Pail | C63-3 |
| 10kg | Fiber Drum | C63-10 |

Powder; Chalk, Precipitated; CaCO_3 ; **F.W.** 100.09;
CAS [471-34-1]; **Melting Point:** 825°C; **Density:** 2.7g/mL

ChemAlert® Storage Code GRAY

Calcium Chloride Dihydrate Biochemical Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC44732-5000 |
| 2.5kg | Plastic Bottle | AC44732-0025 |

99%; $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$; **F.W.** 147.02; **CAS** [10035-04-8];
Melting Point: 175.0°C; **Density:** 0.8300g/mL

Calcium Carbonate ACS

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA3639922 |
| 500g | ---- | AA3639936 |

Powder; 99.95-100.05%; CaCO_3 ; **F.W.** 100.09; **CAS** [471-34-1];
Melting Point: 800°C; **Density:** 2.93g/cm³ at 20°C; White
 Solubility in water: Insoluble

ChemAlert® Storage Code GRAY

Calcium Chloride Hexahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | C78-500 |

Crystalline; 99 to 103%; $\text{CaCl}_2 \cdot 6\text{H}_2\text{O}$; **F.W.** 219.08;
CAS [7774-34-7]; **Melting Point:** 30°C; **Density:** 1.71g/mL

ChemAlert® Storage Code GRAY

Calcium Hypochlorite Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | C100-500 |

Granular; Chlorinated Lime, Calcium Oxychloride,
 Hypochlorous Acid Calcium Salt; $\text{CaCl}_2 \cdot \text{O}_2$; $\text{Ca}(\text{OCl})_2$;
F.W. 142.98; **CAS** [7778-54-3]; **Melting Point:** 100°C (212°F);
Density: 2.35g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1748

ChemAlert® Storage Code YELLOW

Calcium Chloride ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500g | Glass Bottle | AC20679-5000 |

CaCl_2 ; **F.W.** 110.98; **CAS** [10043-52-4]; **Melting Point:** 782.0°C;
Boiling Point: >1600.0°C

Calcium Nitrate Tetrahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | C109-500 |
| 3kg | Poly Bottle | C109-3 |

Crystalline; 99 to 103%; $\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$; **F.W.** 236.15; **CAS** [13477-34-4];
Melting Point: 45°C; **Density:** 1.82g/mL; **DOT Class 5.1:** Oxidizer;
UN: 1454

Calcium Chloride ACS Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250g | ---- | AA8986630 |

Powder; ≥96.0%; CaCl_2 ; **F.W.** 110.99; **CAS** [10043-52-4];
Melting Point: 782°C; **Boiling Point:** >1600°C

Calcium Chloride Dihydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | C79-500 |
| 3kg | Poly Bottle | C79-3 |

99.0 to 105.0%; $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$; **F.W.** 147.01; **CAS** [10035-04-8];
Melting Point: 175°C; **Density:** 0.83g/mL

ChemAlert® Storage Code GRAY

Calcium Oxide Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | C117-500 |

Powder; Lime, Quicklime, Burnt Lime, Lime, Unslaked; CaO ;
F.W. 56.08; **CAS** [1305-78-8]; **Melting Point:** 2570°C;
Boiling Point: 2850°C; **Density:** 3.3g/mL;
DOT Class 8: Corrosive; **UN:** 1910

ChemAlert® Storage Code WHITE

Calcium Chloride Dihydrate USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | C70-500 |

Fine White Granules; $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$; **F.W.** 147.01;
CAS [10035-04-8]; **Melting Point:** 175°C; **Density:** 0.83g/mL

ChemAlert® Storage Code GRAY

Calcium Phosphate



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1kg | Glass Bottle | AC44639-0010 |

96%; $\text{Ca}_3\text{O}_8\text{P}_2$; **F.W.** 310.18; **CAS** [7758-87-4]; **Melting Point:** 1670°C

Calcium Sulfate Dihydrate Extra Pure

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|----------------|--------------|
| | 1kg | Plastic Bottle | AC44638-0010 |
| | 5kg | Plastic Bottle | AC44638-0050 |

≥98%; CaSO₄·2H₂O; **FW.** 172.17; CAS [10101-41-4]

Calcium Sulfate Dihydrate ACS Reagent

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|----------------|--------------|
| | 500g | Plastic Bottle | AC31525-5000 |

≥98%; CaSO₄·2H₂O; **FW.** 172.17; CAS [10101-41-4];

Ceric Ammonium Nitrate Certified ACS

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------------|----------|
| | 500g | Amber Glass Bottle | C248-500 |

Crystalline; ≥98.5%; Cerium (IV) Ammonium Nitrate; Ce(NO₃)₂·2NH₄NO₃; (NH₄)₂Ce(NO₃)₆; **FW.** 548.22; CAS [16774-21-3]; **Melting Point:** 107° to 108°C (224.6° to 226.4°F); **DOT Class 5.1:** Oxidizer; **UN:** 1477

ChemAlert! Storage Code YELLOW

Ceric Sulfate Solution, 0.1N (N/10) Certified ACS

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------|----------|
| | 1L | Glass Bottle | SC66-1 |

Cerium (IV) Sulfate Solution, 0.1N; CAS [13590-82-4, 7664-93-9, 7732-18-5]; **Density:** 1.1g/mL; **DOT Class 8:** Corrosive; **UN:** 2796

ChemAlert! Storage Code WHITE

Cerium(III) Nitrate Hexahydrate

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|----------------|-------------|
| | 100g | Plastic Bottle | AC218691000 |
| | 500g | Plastic Bottle | AC218695000 |
| | 2.5kg | Plastic Bottle | AC218690025 |

Colorless to White Crystalline Powder or Agglomerating Crystals; 99.5%; CeN₃O₉·6H₂O; Ce(NO₃)₃·6H₂O; **FW.** 434.22; **UN:** 1477

Cerium(III) Nitrate Hexahydrate

| Alfa Aesar | Quantity | Packaging | Cat. No. |
|------------|----------|-----------|-----------|
| | 50g | ---- | AA1133018 |

Crystalline Aggregates; 99.99% (REO); CeN₃O₉·6H₂O N₃Na₂O; **FW.** 434.23 (326.13 anhy); CAS [10294-41-4]

Cerium(IV) Ammonium Nitrate ACS Grade

| Alfa Aesar | Quantity | Packaging | Cat. No. |
|------------|----------|-----------|-----------|
| | 2kg | ---- | AA33254A3 |

Granular; 98.5%; (NH₄)₂Ce(NO₃)₆; **FW.** 548.23; CAS [16774-21-3]

Cerium(IV) Oxide

| Alfa Aesar | Quantity | Packaging | Cat. No. |
|------------|----------|-----------|-----------|
| | 250g | ---- | AA1132830 |

5 Micron Powder; 99.9% (REO); CeO₂; **FW.** 172.12; CAS [1306-38-3]; **Melting Point:** 2600°C; **Density:** 7.132g/mL

Cerium(IV) Oxide

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|----------------|--------------|
| | 2.5kg | Plastic Bottle | AC19912-0025 |

99.9% (Trace Metal Basis); Cerium dioxide; CeO₂; **FW.** 172.12; CAS [1306-38-3]; **Melting Point:** 2600.0°C; **Density:** 7.1300g/mL

Cesium Carbonate

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|----------------|--------------|
| | 2.5kg | Plastic Bottle | AC19204-0025 |

99.5%; CCs₂O₃; Cs₂CO₃; **FW.** 325.82; CAS [534-17-8]; **Melting Point:** 610.0°C; **Density:** 4.0720g/mL

Cesium Carbonate

| Alfa Aesar | Quantity | Packaging | Cat. No. |
|------------|----------|-----------|-----------|
| | 25g | ---- | AA1211714 |

Powder; 99.994% (Metal Basis); Cs₂CO₃; **FW.** 325.82; CAS [534-17-8]; **Melting Point:** 610°C; **Density:** 4.072g/cm³ at 20°C; White

Cesium Carbonate

| Alfa Aesar | Quantity | Packaging | Cat. No. |
|------------|----------|-----------|-----------|
| | 250g | ---- | AA1288730 |

Powder or Granular; 99% (Metal Basis); Cs₂CO₃; **FW.** 325.82; CAS [534-17-8]; **Melting Point:** 610°C; **Density:** 4.072g/mL

Cesium Chloride Certified ACS

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------|----------|
| | 25g | Glass Bottle | C24-25 |

Crystalline; ≥99.9%; CsCl; **FW.** 168.36; CAS [7647-17-8]; **Melting Point:** 646°C; **Boiling Point:** 1303°C; **Density:** 3.99g/mL

ChemAlert! Storage Code GRAY

Cesium Chloride

| Alfa Aesar | Quantity | Packaging | Cat. No. |
|------------|----------|-----------|-----------|
| | 100g | ---- | AA1099322 |

Crystalline; 99.999% (Metal Basis); CsCl; **FW.** 168.36; CAS [7647-17-8]; **Melting Point:** 646°C; **Boiling Point:** 1303°C; **Density:** 3.99g/cm³ at 20°C; White

Cesium Chloride Pure

| ACR ^{OS} ORGANICS | Quantity | Packaging | Cat. No. |
|-------------------------------|----------|--------------|--------------|
| | 500g | Glass Bottle | AC42285-5000 |

≥99%; ClCs; CsCl; **FW.** 168.36; CAS [7647-17-8]; **Melting Point:** 646.0°C; **Boiling Point:** 1290.0°C

Cesium Chloride Ultrapure Bioreagent

| J.T.Baker | Quantity | Packaging | Cat. No. |
|-----------|----------|-------------|----------|
| | 1kg | Poly Bottle | 02002569 |

CsCl; **FW.** 168.36; CAS [7647-17-8]

Cesium Nitrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA1444022 |

Crystalline; 99.99% (Metal Basis); CsNO₃; **F.W.** 194.91; CAS [7789-18-6]; **Melting Point:** 414°C; **Density:** 3.68g/cm³ at 20°C; **UN:** 1451; White

Cesium Nitrate

 ACROS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1kg | Glass Bottle | AC19207-0010 |

White Crystalline Powder or Crystals; 99.99% (Trace Metal Basis); CsNO₃; **F.W.** 194.91

Chloroplatinic Acid Hexahydrate

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1g | Glass Ampule | P154-1 |

Dihydrogen Hexachloroplatinum (IV) Hexahydrate; H₂PtCl₆·6H₂O; **F.W.** 517.91; CAS [18497-13-7, 16941-12-1, 26023-84-7]; **Melting Point:** 60°C; **Density:** 2.43g/mL; **DOT Class 8:** Corrosive; **UN:** 2507

 ChemAlert®
Storage Code
WHITE

Chromic Chloride Hexahydrate

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | C325-500 |

Chromium (III) Chloride Hexahydrate; CrCl₃·6H₂O; **F.W.** 266.45; CAS [10060-12-5]; **Melting Point:** 83°C; **Density:** 1.76g/mL

 ChemAlert®
Storage Code
GRAY

Chromic Nitrate Nonahydrate

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | C331-500 |

Crystalline; Chromium (III) Nitrate Nonahydrate; Cr(NO₃)₃·9H₂O; Cr(NO₃)₃·9H₂O; **F.W.** 400.15; CAS [7789-02-8]; **Melting Point:** 140°C; **Boiling Point:** 100°C (decomposes); **Density:** 1.8g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 2720

 ChemAlert®
Storage Code
YELLOW

Chromic Oxide

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | C334-500 |

Powder; Chrome Green, Chromic Sesquioxide, Chromium (III) Oxide; Cr₂O₃; **F.W.** 151.99; CAS [1308-38-9]; **Melting Point:** 2435°C; **Boiling Point:** 4000°C; **Density:** 5.21g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1463; **C.I.** 77288

 ChemAlert®
Storage Code
YELLOW

Chromic Oxide

Technical Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 3kg | Glass Bottle | C333-3 |

Powder; Chromic Sesquioxide, Chromium (III) Oxide; Cr₂O₃; **F.W.** 151.99; CAS [1308-38-9]; **Melting Point:** 2435°C; **Boiling Point:** 4000°C; **Density:** 5.21g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1463; **C.I.** 77288

 ChemAlert®
Storage Code
YELLOW

Chromium Chloride

BAKER ANALYZED™ Reagent

J.T.Baker®

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | 02002599 |

CrCl₃·6H₂O; **F.W.** 266.45; CAS [10060-12-5]; X-Hydrate

Chromium Trioxide

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | A100-100 |
| 500g | Glass Bottle | A100-500 |
| 2.5kg | Glass Bottle | A100-212 |

Crystalline; ≥98.0%; Chromium (VI) Oxide, Chromic Acid Anhydride; CrO₃; **F.W.** 99.99; CAS [1333-82-0]; **Melting Point:** 196.1°C; **Boiling Point:** 250°C; **Density:** 3.4; **DOT Class 5.1:** Oxidizer; **UN:** 1463

 ChemAlert®
Storage Code
YELLOW

Chromium Trioxide

Technical Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | A98-500 |

Flakes; Chromic Acid Anhydride; CrO₃; **F.W.** 99.99; CAS [1333-82-0]; **Melting Point:** 196.1°C; **Boiling Point:** 250°C; **Density:** 3.4; **DOT Class 5.1:** Oxidizer; **UN:** 1463

 ChemAlert®
Storage Code
YELLOW

Cobalt(II) Chloride Hexahydrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1kg | ---- | AA11344A1 |

Red-Purple Crystals; 99.9% (Metals Basis); Cl₂Co·6H₂O; **F.W.** 237.93 (129.84 anhy); CAS [7791-13-1]; **Melting Point:** 87°C (189°F); **Density:** 1.94g/cm³; **UN:** 3077

Cobalt(II) Nitrate Hexahydrate

ACS Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA3641836 |

Crystalline Powder; 98.0 to 102.0%; Co(NO₃)₂·6H₂O; **F.W.** 291.04 (182.94 anhy); CAS [10026-22-9]; **Melting Point:** 55° to 56°C (131 to 133°F); **Density:** 1.87g/cm³; **UN:** 1477; Red; As a battery additive, in the manufacture of cobalt pigments and invisible inks, for decorating stoneware and porcelain, and in the preparation of catalysts

Cobaltous Acetate Tetrahydrate

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | C364-500 |

Crystalline; Acetic Acid Cobalt Salt, Cobalt (II) Acetate; C₄H₆CoO₄·4H₂O; Co(CH₃COO)₂·4H₂O; **F.W.** 249.08; CAS [6147-53-1]; **Melting Point:** 140°C; **Density:** 1.7g/mL; **DOT Class 9:** Miscellaneous; **UN:** 3077

 ChemAlert®
Storage Code
GRAY

Cobaltous Chloride Hexahydrate

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | C371-100 |
| 500g | Glass Bottle | C371-500 |

Crystalline; 98.0 to 102.0%; Cobalt (II) Chloride; CoCl₂·6H₂O; **F.W.** 237.93; CAS [7791-13-1]; **Melting Point:** 87°C (189°F); **Boiling Point:** 1048.9°C; **Density:** 1.92g/mL; **DOT Class 6.1:** Poison; **UN:** 3288

 ChemAlert®
Storage Code
BLUE

Cobaltous Nitrate Hexahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | C378-500 |

Crystalline; 98.0 to 102.0%; Cobalt (II) Nitrate; $\text{CoH}_{12}\text{N}_2\text{O}_{12}$; $\text{Co}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$; **F.W.** 291.03; CAS [10026-22-9]; **Melting Point:** 55° to 56°C; **Density:** 1.88g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1477

ChemAlert® Storage Code
YELLOW

Cobaltous Sulfate Heptahydrate Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | C386-500 |

Crystalline; ≥97.0%; Cobalt (II) Sulfate; $\text{CoSO}_4 \cdot 7\text{H}_2\text{O}$; **F.W.** 281.1; CAS [10026-24-1]; **Melting Point:** 96.67°C; **Boiling Point:** 420.00°C; **Density:** 1.95g/mL

ChemAlert® Storage Code
GRAY

Copper(II) Chloride, Anhydrous Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 250g | Plastic Bottle | AC20653-2500 |

99%; Cupric Chloride; Cl_2Cu ; CuCl_2 ; **F.W.** 134.45; CAS [7447-39-4]; **Melting Point:** 498.0°C; **Boiling Point:** 993.0°C; **UN:** 2802

Copper(II) Chloride Dihydrate ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA1245836 |

Granular; >99%; $\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$; **F.W.** 170.48 (134.45 anhy); CAS [10125-13-0]; **Melting Point:** 100°C (212°F); **Density:** 2.51g/mL

Copper(II) Chloride Dihydrate ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC31528-0025 |

≥99%; Cupric Chloride Dihydrate; $\text{Cl}_2\text{Cu} \cdot 2\text{H}_2\text{O}$; $\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$; **F.W.** 170.48; CAS [10125-13-0]; **Melting Point:** 100.0°C; **UN:** 2802

Copper(I) Iodide



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 5g | ---- | AA4315306 |

Chunks/Powder; 99.998% (Metal Basis); CuI ; **F.W.** 190.45; CAS [7681-65-4]; **Melting Point:** 605°C (1121°F); **Boiling Point:** ca. 1290°C (ca. 2354°F); **Density:** 5.63g/cm³; **UN:** 3077; White to pale brown

Copper Sulfate ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | LC134051 |

Solid; 98.0 to 102.0%; $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$; **F.W.** 249.68; CAS [7758-99-8]; **Density:** 2286kg/m³; **DOT Class 9:** Miscellaneous; **UN:** 3077

Cupric Chloride Dihydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | C455-500 |

Crystalline; Copper (II) Chloride; $\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$; **F.W.** 170.48; CAS [10125-13-0]; **Boiling Point:** 992.78°C; **Density:** 2.54g/mL; **DOT Class 8:** Corrosive; **UN:** 2802

ChemAlert® Storage Code
WHITE

Cupric Nitrate Hemipentahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | C467-500 |

Crystalline; 98.0 to 102.0%; Copper (II) Nitrate; $\text{CuN}_2\text{O}_6 \cdot 2.5\text{H}_2\text{O}$; $\text{Cu}(\text{NO}_3)_2 \cdot 2.5\text{H}_2\text{O}$; **F.W.** 232.59; CAS [19004-19-4]; **Melting Point:** 255°C; **DOT Class 5.1:** Oxidizer; **UN:** 1477

ChemAlert® Storage Code
YELLOW

Cupric Sulfate USP



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 2.5kg | Glass Bottle | MK4752212 |

Granular; $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$; **F.W.** 249.68; CAS [7758-99-8]; 5-Hydrate

Cupric Sulfate, Anhydrous Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | C495-500 |

≥97%; Copper (II) Sulfate Anhydrous; CuO_2S ; **F.W.** 159.61; CAS [7758-98-7]; **Melting Point:** 200°C; **Density:** 3.6g/mL; **DOT Class 9:** Miscellaneous; **UN:** 3077

ChemAlert® Storage Code
BLUE

Cupric Sulfate Pentahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | C493-500 |
| 3kg | Poly Bottle | C493-3 |
| 10kg | Poly Pail | C493-10 |

Fine Crystals; 98.0 to 102.0%; Vitriol, Blue, Cupric Sulfate, Copper (II) Sulfate Pentahydrate; $\text{CuO}_2\text{S} \cdot 5\text{H}_2\text{O}$; **F.W.** 249.68; CAS [7758-99-8]; **Melting Point:** 110°C (230°F); **Boiling Point:** 150°C; **Density:** 2.28g/mL; **DOT Class 9:** Miscellaneous; **UN:** 3077

ChemAlert® Storage Code
BLUE

Cupric Sulfate Pentahydrate Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | C489-500 |
| 1kg | Poly Bottle | C489-1 |
| 10kg | Poly Pail | C489-10 |

Crystalline; Copper (II) Sulfate; $\text{CuO}_2\text{S} \cdot 5\text{H}_2\text{O}$; **F.W.** 249.68; CAS [7758-99-8]; **Melting Point:** 110°C (230°F); **Boiling Point:** 150°C; **Density:** 2.28g/mL; **DOT Class 9:** Miscellaneous; **UN:** 3077

ChemAlert® Storage Code
BLUE

Ferric Ammonium Sulfate Dodecahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | I75-500 |
| 3kg | Glass Bottle | I75-3 |

Crystalline; 98.5% to 102.0%; Iron Alum, Iron (III) Ammonium Sulfate Dodecahydrate, Ferric Alum; $\text{FeNH}_4\text{S}_2\text{O}_8 \cdot 12\text{H}_2\text{O}$; $\text{FeNH}_4(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$; **F.W.** 482.2; CAS [7783-83-7]; **Melting Point:** 37.22°C; **Boiling Point:** 230.00°C; **Density:** 1.71g/mL

ChemAlert® Storage Code
GRAY

Ferric Chloride Hexahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100g | Poly Bottle | 188-100 |
| 500g | Poly Bottle | 188-500 |

Lumps; 97 to 102%; Iron (III) Chloride; $FeCl_3 \cdot 6H_2O$; F.W. 270.3; CAS [10025-77-1]; **Melting Point:** 37°C; **Boiling Point:** 280° to 285°C (536° to 545°F); **Density:** 1.82g/mL; **DOT Class 8:** Corrosive; **UN:** 1773



Ferric Chloride Hexahydrate ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | LC142901 |

Solid; 97.0 to 102.0%; $FeCl_3 \cdot 6H_2O$; F.W. 270.3; CAS [10025-77-1]; **Melting Point:** 37°C; **Boiling Point:** 280°C; **DOT Class 8:** Corrosive; **UN:** 3260; Yellow-brown Lumps

Ferric Chloride Hexahydrate Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | 186-3 |
| 10kg | Poly Pail | 186-10 |

Lumps; Iron (III) Chloride; $FeCl_3 \cdot 6H_2O$; F.W. 270.3; CAS [10025-77-1]; **Melting Point:** 37°C; **Boiling Point:** 280° to 285°C (536° to 545°F); **Density:** 1.82g/mL; **DOT Class 8:** Corrosive; **UN:** 1773;



Ferric Chloride Solution, 0.025% (w/v)



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SF97-1 |

Iron (III) Chloride Solution, 0.025% w/v; CAS [7705-08-0, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; **DOT Class 8:** Corrosive; **UN:** 2582; Suitable for biochemical oxygen demand.



Ferric Nitrate Nonahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | I110-100 |
| 500g | Glass Bottle | I110-500 |
| 3kg | Glass Bottle | I110-3 |

Crystalline; 98.0 to 101.0%; Iron (III) Nitrate; $Fe(NO_3)_3 \cdot 9H_2O$; F.W. 404.00; CAS [7782-61-8]; **Melting Point:** 47°C (117°F); **Density:** 1.68g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1466



Ferrous Ammonium Sulfate Hexahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | I77-500 |
| 2.5kg | Poly Bottle | I77-212 |

Crystalline; 98.5 to 101.5%; Mohr Salt, Iron (II) Ammonium Sulfate Hexahydrate; $Fe(NH_4)_2(SO_4)_2 \cdot 6H_2O$; F.W. 392.14; CAS [7783-85-9]; **Melting Point:** 100°C (dec); **Density:** 1.87g/mL



Ferrous Chloride BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|----------|
| 2.5kg | Wide Mouth Amber Glass Bottle | 02002871 |

Crystal; $FeCl_2 \cdot 4H_2O$; F.W. 198.81; CAS [13478-10-9]; 4-Hydrate Meets USP Requirements

Ferrous Chloride Tetrahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | 190-500 |

Crystalline; 99 to 102%; Iron (II) Chloride Tetrahydrate, Ferrous Protochloride; $Cl_2Fe \cdot 4H_2O$; F.W. 198.81; CAS [13478-10-9]; **Melting Point:** 105° to 110°C (221° to 230°F); **Density:** 1.93g/mL; **DOT Class 8:** Corrosive; **UN:** 1759



Ferrous Sulfate Heptahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | I146-500 |
| 3kg | Poly Bottle | I146-3 |
| 10kg | Poly Pail | I146-10 |

Crystalline; ≥99.0%; Iron (II) Sulfate; $FeSO_4 \cdot 7H_2O$; F.W. 278.01; CAS [7782-63-0]; **Melting Point:** 64°C; **Boiling Point:** 300°C; **Density:** 1.9g/mL

Gallium(III) Chloride



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC44410-0050 |

≥99.99% (Trace Metal Basis); Cl_3Ga ; Ga Cl_3 ; F.W. 176.08; CAS [13450-90-3]; **Melting Point:** 78.0°C; **Boiling Point:** 201.0°C

Gallium(III) Nitrate Hydrate



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 25g | ---- | AA3211614 |

Various Forms (Powder/Flake/Crystalline/Beads/Lump, etc.); 99.9% (Metal Basis); $Ga(NO_3)_3 \cdot xH_2O$; F.W. 255.73 (anhy); CAS [69365-72-6]; **Melting Point:** 110°C (230°F); **UN:** 1477; White

Germanium Dioxide



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 250g | Glass Bottle | AC19000-2500 |

99.999%; Trace Metal Basis; GeO_2 ; F.W. 104.59; CAS [1310-53-8]; **Melting Point:** 1115.0°C

Gold(III) Acetate



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 0.5g | ---- | AA3974202 |
| 1g | ---- | AA3974203 |
| 5g | ---- | AA3974206 |

Powder; 99.9% (Metal Basis); $Au(O_2CCH_3)_3$; F.W. 374.1; CAS [15804-32-7]; Brown; Solubility in water: slight

Gold(III) Chloride



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 5g | ---- | AA4336006 |

Crystalline; 99.99% (Metal Basis); $AuCl_3$; F.W. 303.33; CAS [13453-07-1]; **Melting Point:** 160°C (320°F); **Density:** 3.90g/cm³; **UN:** 3260; Red

Hafnium(IV) Chloride



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA4561222 |

White Powder; 99.9% (Metals Basis); Cl_4Hf ; F.W. 320.3; CAS [13499-05-3]; **Melting Point:** 320°C (608°F); **UN:** 3260; White

Hafnium(IV) Oxide

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 25g | ---- | AA1183514 |
| 100g | ---- | AA1183522 |

-325 Mesh Powder; 99% (Metal Basis); HfO₂; **FW**: 210.49; CAS [12055-23-1]; **Melting Point**: 2774°C; **Density**: 9.68g/mL

Hydrogen Chloride

Pure

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5L | Plastic Bottle | AC13370-0025 |

ClH; HCl; **FW**: 36.45; CAS [7647-01-0, 67-63-0]; **Flash Point**: 11°C; **Density**: 0.9090g/mL

Hydrogen Hexachloroplatinate(IV) Hydrate

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC19537-0250 |

H₂Cl₆Pt·xH₂O; H₂PtCl₆·xH₂O; **FW**: 409.82; CAS [26023-84-7]; **Melting Point**: 60.0°C; **UN**: 2507

Indium(III) Acetate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 50g | ---- | AA4223018 |

Powder; 99.99% (Metal Basis); In(OOCCCH₃)₃; **FW**: 291.96; CAS [25114-58-3]

Indium(III) Oxide

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250g | ---- | AA1258130 |

Powder; 99.994% (Metal Basis); In₂O₃; **FW**: 277.64; CAS [1312-43-2]; **Melting Point**: 850°C (1562°F); **Density**: 7.18g/cm³; Yellow

Iodine

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | I37-100 |
| 500g | Glass Bottle | I37-500 |

Flakes; ≥99.8%; I₂; **FW**: 253.81; CAS [7553-56-2]; **Melting Point**: 113°C; **Boiling Point**: 184°C; **Density**: 4.93g/mL; **DOT Class 8**: Corrosive; **UN**: 1759; **Atomic Weight**: 126.90

ChemAlert®
Storage Code
WHITE

Iodine

USP

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | I35-100 |
| 500g | Glass Bottle | I35-500 |

Resublimed Crystals; 99.8% to 100.5%; I₂; **FW**: 253.81; CAS [7553-56-2]; **Melting Point**: 113°C; **Boiling Point**: 184°C; **Density**: 4.93g/mL; **DOT Class 8**: Corrosive; **UN**: 1759; **Atomic Weight**: 126.90

ChemAlert®
Storage Code
WHITE

Iodine

ACS Reagent

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC42382-0050 |
| 500g | Glass Bottle | AC42382-5000 |

Gray Prills; 99.8+%; I₂; **FW**: 253.81; CAS [7553-56-2]; **Melting Point**: 113°C; **Boiling Point**: 185.0°C; **UN**: 3495

Iodine

Extra Pure

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC19656-1000 |
| 500g | Glass Bottle | AC19656-5000 |

Dark Gray Lustrous Flakes or Spheres; 99.5%; I₂; **FW**: 253.81; CAS [7553-56-2]; **Melting Point**: 113°C; **Boiling Point**: 185.0°C

Iodine

ACS Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA4195522 |
| 500g | ---- | AA4195536 |

Dark Gray/Purple Prills or Crystals; 99.8%; I₂; **FW**: 253.81; CAS [7553-56-2]; **Melting Point**: 183° to 186°C (361° to 367°F); **Density**: 4.930g/cm³; **UN**: 3495; Bluish-black

Iodine

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 25g | ---- | AA1061914 |

Resublimed Crystals; 99.9985% (Metal Basis); I₂; **FW**: 253.81; CAS [7553-56-2]; **Boiling Point**: 183° to 186°C (361° to 367°F); **Density**: 4.93g/cm³ at 20°C; **UN**: 3495; Bluish-black

Iodine

ACS Grade

M
END HELLPORE

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | MIX01201 |

I₂; **FW**: 253.8; CAS [7553-56-2]; **Melting Point**: 114°C; **Boiling Point**: 185°C (1013 hPa); **Density**: 4.93g/cm³ (20°C); Suprapur™

Iodine, Crystalline

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250g | ---- | AA0015830 |

Solid; >99.99% (Metal Basis); I₂; **FW**: 253.81; CAS [7553-56-2]; **Melting Point**: 183° to 186°C subl.; **Density**: 4.93g/cm³

Iodine Chloride

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA3910422 |

Crystalline/Liquid; ICl; **FW**: 162.36; CAS [7790-99-0]; **Melting Point**: 25 to 27°C; **Boiling Point**: 96 to 98°C; **Density**: 3.1822g/cm³

Iodine Monochloride Solution

MACRON
FINE CHEMICALS

| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 4L | ---- | MKH1804 |

Red-Brown Liquid; Iodine(I) chloride, Chloriodane; ICl; **FW**: 162.35; **Melting Point**: 27.2°C; **Boiling Point**: 97.4°C

Iron(II) Acetate, Anhydrous

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 25g | ---- | AA3114014 |

Light Brown Powder/Lump; Fe(OOCCCH₃)₂; **FW**: 173.94; CAS [3094-87-9]; **Melting Point**: 190° to 200°C (374° to 392°F); Light Brown

Iron(II) Chloride



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 250g | Glass Bottle | AC38935-2500 |

99%; Ferrous chloride; Cl_2Fe ; FeCl_2 ; **FW.** 126.75; CAS [7758-94-3];
Melting Point: 677.0°C; **Boiling Point:** 1026.0°C; **UN:** 3260

Iron(II) Chloride, Anhydrous

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 50g | ---- | AA3114118 |

Powder; 99.5% (Metal Basis); Cl_2Fe ; **FW.** 126.75; CAS [7758-94-3];
Melting Point: 674°C (1245°F); **Boiling Point:** 1023°C (1873°F);
Density: 3.16g/cm³; **UN:** 3260; Off-white

Iron(III) Nitrate Hydrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 25g | ---- | AA1071514 |

Crystalline Aggregates; 99.999% (Metal Basis); $\text{Fe}(\text{NO}_3)_3 \cdot x\text{H}_2\text{O}$ ($x \approx 9$);
FW. 241.86; CAS [7782-61-8]; **Melting Point:** 47°C (117°F);
Boiling Point: 125°C (257°F); **Density:** 1.684g/cm³; **UN:** 1466;
Pale purple

Iron Nitride

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA8819822 |

Powder; Fe_3N ($x \approx 2-4$); CAS [37245-77-5]; Gray; -325 Mesh

Lanthanum Chloride Heptahydrate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 50g | Poly Bottle | L9-50 |
| 250g | Poly Bottle | L9-250 |

Lumps; $\text{Cl}_3\text{La} \cdot 7\text{H}_2\text{O}$; **FW.** 371.37; CAS [10025-84-0];
Melting Point: 91°C (196°F)
Suitable for atomic absorption analysis of alkaline earths.



Lanthanum(III) Chloride Heptahydrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1kg | ---- | AA11268A1 |

Wet Crystalline Aggregates; 99.99% (REO); $\text{LaCl}_3 \cdot 7\text{H}_2\text{O}$;
FW. 371.37 (245.27 anhy); CAS [10025-84-0];
Melting Point: 91°C (196°F); White

Lanthanum(III) Oxide

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250g | ---- | AA1126430 |

White Powder/Lump; 99.99% (REO); La_2O_3 ; **FW.** 325.82;
CAS [1312-81-8]; **Melting Point:** 2307°C (4185°F);
Boiling Point: 4200°C (7592°F); **Density:** 6.51g/cm³ at 20°C; White

Lanthanum(III) Oxide



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1kg | Glass Bottle | AC19329-0010 |

99.99%; Trace Metal Basis; La_2O_3 ; **FW.** 325.82; CAS [1312-81-8];
Melting Point: 2315.0°C; **Boiling Point:** 4200.0°C

Lead Acetate Trihydrate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 250g | Glass Bottle | L33-250 |
| 500g | Glass Bottle | L33-500 |

99 to 103%; Lead Sugar, Lead (II) Acetate Trihydrate;
 $\text{Pb}(\text{C}_2\text{H}_3\text{O}_2)_2 \cdot 3\text{H}_2\text{O}$; **FW.** 379.3; CAS [6080-56-4];
Melting Point: 75°C; **Density:** 13.1; **DOT Class 6.1:** Poison;
UN: 1616



Lead(II) Carbonate, Basic

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA4208936 |

Powder; 99% (Metal Basis); White Lead, **C.I.** 77597; $\text{C}_2\text{H}_3\text{O}_2\text{Pb}_2$;
FW. 775.63; CAS [1319-46-6]; **Melting Point:** 400°C (752°F);
Density: 6.14g/cm³ at 20°C; **UN:** 3077; White

Lead(II) Iodide, Ultra Dry

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 25g | ---- | AA4431414 |
| 100g | ---- | AA4431422 |

Yellow Powder; 99.999% (Metal Basis); I_2Pb ; **FW.** 461.00;
CAS [10101-63-0]; **Melting Point:** 402°C (756°F);
Boiling Point: 954°C (1749°F); **Density:** 6.16g/cm³ at 20°C; **UN:** 2291;
Yellow

Lead Nitrate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | L62-100 |
| 500g | Glass Bottle | L62-500 |

Crystalline; $\geq 99\%$; Lead (II) Nitrate; $\text{N}_2\text{O}_6\text{Pb}$; $\text{Pb}(\text{NO}_3)_2$;
FW. 331.21; CAS [10099-74-8]; **Melting Point:** 470°C;
Density: 4.53g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1469



Lead(II,IV) Oxide, Red



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5kg | Glass Bottle | AC22111-0051 |

98%; Red Lead Oxide; O_4Pb_3 ; $2\text{PbO} \cdot \text{PbO}_2$; **FW.** 685.57; CAS [1314-41-6];
Melting Point: 500.0°C; **UN:** 1479

Lithium Acetate Dihydrate



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 250g | Plastic Bottle | AC44771-2500 |
| 1kg | Plastic Bottle | AC44771-0010 |

98%; Acetic Acid, Lithium Salt Dihydrate; $\text{C}_2\text{H}_3\text{LiO}_2 \cdot 2\text{H}_2\text{O}$;
 $\text{CH}_3\text{CO}_2\text{Li} \cdot 2\text{H}_2\text{O}$; **FW.** 102.02; CAS [6108-17-4];
Melting Point: 56.0° to 58.0°C

Lithium Aluminum Hydride

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 25g | ---- | AA1344214 |

Light Gray Powder; 95% min.; LAH, Lithium tetrahydroaluminate;
 LiAlH_4 ; **FW.** 37.95; CAS [16853-85-3]; **Melting Point:** $>125^\circ\text{C}$ ($>257^\circ\text{F}$);
Density: 0.917g/cm³ at 20°C; **UN:** 1410; Light gray
Reducing agent for pharmaceuticals, perfumes, and fine organic
chemicals; source of hydrogen, propellant, and catalyst in
polymerizations

Lithium Borohydride



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC42888-1000 |

BH₄Li; LiBH₄; **FW**: 21.77; CAS [16949-15-8, 109-99-9];
Flash Point: -21°C; **Density**: 0.8900g/mL

Lithium Bromide

Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | L117-500 |

Fine Powder; LiBr; **FW**: 86.85; CAS [7550-35-8];
Melting Point: 547°C; **Boiling Point**: 1265°C; **Density**: 3.46g/mL



Lithium Bromide

Pure



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 250g | Plastic Bottle | AC45398-2500 |
| 1kg | Plastic Bottle | AC45398-0010 |

99%; BrLi; LiBr; **FW**: 86.84; CAS [7550-35-8]; **Melting Point**: 550.0°C;
Boiling Point: 1265.0°C; **Density**: 3.4600g/mL

Lithium Carbonate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | L119-500 |

Powder; ≥99%; Carbonic Acid Lithium Salt; Li₂CO₃;
FW: 73.89; CAS [554-13-2]; **Melting Point**: 618°C;
Boiling Point: 1310°C; **Density**: 2.1g/mL



Lithium Chloride

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 2kg | ---- | AA36217A3 |

Granular; 99%; LiCl; **FW**: 42.39; CAS [7447-41-8];
Melting Point: 605°C (1121°F); **Boiling Point**: 1325° to 1360°C;
Density: 2.068g/mL

Lithium Chloride

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100g | Poly Bottle | L121-100 |
| 500g | Poly Bottle | L121-500 |

≥98.5%; LiCl; **FW**: 42.39; CAS [7447-41-8];
Melting Point: 605°C (1121°F); **Boiling Point**: 1382°C;
Density: 2.06g/mL



Lithium Chloride



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC19988-5000 |
| 2kg | Plastic Bottle | AC19988-0020 |

White Crystalline Granulate; 99%; ClLi; LiCl; **FW**: 42.38;
CAS [7447-41-8]; **Melting Point**: 605°C (1121°F);
Boiling Point: 1382.0°C; **Density**: 2.0600g/mL

Lithium Chloride

Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 100g | Plastic Bottle | AC44904-1000 |
| 500g | Plastic Bottle | AC44904-5000 |

99%; ClLi; LiCl; **FW**: 42.38; CAS [7447-41-8]; **Melting Point**: 605.0°C;
Boiling Point: 1382.0°C; **Density**: 2.0600g/mL

Lithium Chloride

BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|----------|
| 2.5kg | Wide Mouth Amber Glass Bottle | 02003212 |

Granular; Meets ACS Reagent Chemical Requirements;
LiCl; **FW**: 42.39; CAS [7447-41-8]

Lithium Chloride, Anhydrous

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 5kg | ---- | AA10515A7 |

White to Gray Crystalline Powder; 99%; ClLi; **FW**: 42.39;
CAS [7447-41-8]; **Melting Point**: 605°C (1121°F);
Boiling Point: 1325 to 1360°C (2417 to 2480°F);
Density: 2.068g/cm³ at 20°C; White to Gray; -20 Mesh

Lithium Hexafluorophosphate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 50g | ---- | AA1152918 |

White Powder; 98%; LiPF₆; **FW**: 151.9; CAS [21324-40-3];
Melting Point: 200°C; **Density**: 1.5g/cm³ at 20°C; **UN**: 2923; White;
Used as an electrolyte in Li-ion batteries.

Lithium Hydroxide

Pure



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC37918-0025 |

98%; LiOH; **FW**: 23.95; CAS [1310-65-2]; **Melting Point**: 462.0°C;
Density: 1.4300g/mL; **UN**: 2680

Lithium Hydroxide Monohydrate

Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | L127-500 |

Crystalline; LiOH·H₂O; **FW**: 41.96; CAS [1310-66-3];
Melting Point: 462°C; **Boiling Point**: 920°C; **Density**: 1.51g/mL;
DOT Class 8: Corrosive; **UN**: 2680



Lithium Nitrate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | L132-500 |

Powder; LiNO₃; **FW**: 68.94; CAS [7790-69-4];
Melting Point: 251°C; **Boiling Point**: 600°C; **Density**: 2.4;
DOT Class 5.1: Oxidizer; **UN**: 2722



Lithium Oxide

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 50g | ---- | AA4183218 |

Powder; 99.5% (Metal Basis); Li₂O; **FW**: 29.88; CAS [12057-24-8];
Melting Point: 1427°C (2601°F); **Density**: 2.013g/cm³ at 20°C; **UN**: 3262;
White; Ceramics and special glass formulations, carbon dioxide
absorbent; -100 Mesh

Lithium Tetraborate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1kg | ---- | AA10744A1 |

White Powder; 99.998% (Metal Basis); B₄Li₂O; **FW**: 169.12;
CAS [12007-60-2]; **Melting Point**: 930°C (1706°F);
Density: 2.4g/cm³ at 20°C; White; -22 mesh

Lutetium(III) Oxide

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 5g | ---- | AA1125506 |

White Powder; 99.9% (REO); Lu₂O₃; **F.W.** 397.94; CAS [12032-20-1]; **Melting Point:** 2487°C (4509°F); **Density:** 9.420g/cm³ at 20°C; White

Magnesium Chloride Hexahydrate ACS Reagent

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC41341-5000 |

White to Off-white Crystalline Powder; 99+%; Cl₂Mg·6H₂O; MgCl₂·6H₂O; **F.W.** 203.31; CAS [7791-18-6]; **Melting Point:** 117°C

Magnesium Acetate Tetrahydrate Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | M13-500 |

Crystalline; 98 to 102%; Acetic Acid Magnesium Salt; C₄H₈O₄·Mg·4H₂O; Mg(CH₃CO₂)₂·4H₂O; **F.W.** 214.45; CAS [16674-78-5]; **Melting Point:** 80°C; **Density:** 1.45g/mL; **pH:** 6.5 to 8.5 (at 25°C)

ChemAlert® Storage Code GRAY

Magnesium Nitrate Hexahydrate Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | M46-500 |

Crystalline; 98 to 102%; MgN₂O₆·6H₂O; Mg(NO₃)₂·6H₂O; **F.W.** 256.41; CAS [13446-18-9]; **Melting Point:** 89°C; **Flash Point:** 93.3°C; **Density:** 1.46g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1474

ChemAlert® Storage Code YELLOW

Magnesium Carbonate, Hydrated USP/FCC

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | M27-500 |
| 2.5kg | Poly Pail | M27-212 |

Powder; MgCO₃; **F.W.** 84.31; CAS [546-93-0]; **Melting Point:** 350°C; **Density:** 3.04g/mL

ChemAlert® Storage Code GRAY

Magnesium Nitrate Hexahydrate Extra Pure

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 1kg | Plastic Bottle | AC44754-0010 |
| 5kg | Plastic Bottle | AC44754-0050 |
| 25kg | Fiber Drum | AC44754-0250 |

MgN₂O₆·6H₂O; Mg(NO₃)₂·6H₂O; **F.W.** 256.40; CAS [13446-18-9]; **Melting Point:** 89.0°C; **Flash Point:** 93.3°C; **Boiling Point:** 330.0°C

Magnesium Chloride Pure

ACRÖS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|------------|--------------|
| 25kg | Fiber Drum | AC22321-0250 |

Cl₂Mg; MgCl₂; **F.W.** 95.21; CAS [7786-30-3]; **Melting Point:** 708.0°C; **Boiling Point:** 1412.0°C

Magnesium Oxide USP/FCC

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | M68-500 |
| 3kg | Poly Pail | M68-3 |

Heavy Powder; MgO; **F.W.** 40.3; CAS [1309-48-4]; **Melting Point:** 2800°C; **Boiling Point:** 3600°C; **Density:** 3.58g/mL

ChemAlert® Storage Code GRAY

Magnesium Chloride, Anhydrous

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1kg | ---- | AA12315A1 |
| 5kg | ---- | AA12315A7 |
| 25kg | ---- | AA12315C4 |

White to Yellow Crystals; 99%; MgCl₂; **F.W.** 95.22; CAS [7786-30-3]; **Melting Point:** 714°C (1317°F); **Density:** 2.32g/cm³ at 20°C; White to yellow; Catalyst, flocculating agent, various magnesium cements, ceramics, analytical reagent; May contain trace amount of Zr as black insoluble particles.

Magnesium Oxide Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | M51-100 |
| 500g | Poly Bottle | M51-500 |

Powder; ≥95.0%; Magnesia; MgO; **F.W.** 40.3; CAS [1309-48-4]; **Melting Point:** 2800°C; **Boiling Point:** 3600°C; **Density:** 3.58g/mL

ChemAlert® Storage Code GRAY

Magnesium Chloride Hexahydrate USP/FCC

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | M35-500 |
| 2.5kg | Poly Bottle | M35-212 |
| 12kg | Poly Pail | M35-12 |

Crystalline; MgCl₂·6H₂O; **F.W.** 203.3; CAS [7791-18-6]; **Melting Point:** 117°C; **Density:** 1.56g/mL

ChemAlert® Storage Code GRAY

Magnesium Oxide, Light

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA1228736 |
| 1kg | ---- | AA12287A1 |

Powder; 96%; MgO; **F.W.** 40.3; CAS [1309-48-4]; **Melting Point:** 2852°C (5166°F); **Boiling Point:** 3600°C (6512°F); **Density:** 3.58g/cm³ at 20°C; White; -325 Mesh

Magnesium Chloride Hexahydrate Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | M33-500 |
| 3kg | Poly Pail | M33-3 |

Crystalline; 99 to 102%; MgCl₂·6H₂O; **F.W.** 203.3; CAS [7791-18-6]; **Melting Point:** 117°C; **Density:** 1.56g/mL

ChemAlert® Storage Code GRAY

Magnesium Perchlorate, Anhydrous Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 2.5kg | Glass Bottle | M54-212 |

Perchloric Acid Magnesium Salt, Desiccant; Mg(ClO₄)₂; **F.W.** 223.21; CAS [10034-81-8]; **Melting Point:** 251°C; **Density:** 2.6g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1475

ChemAlert® Storage Code YELLOW

Magnesium Perchlorate, Anhydrous ACS Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA1163636 |

Granular; Mg(ClO₄)₂; F.W. 223.23; CAS [10034-81-8];
Melting Point: 251°C; **Density:** 2.21g/mL

Magnesium Sulfate

M
END MILLIPORE

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | MMX00751 |

Powder; MgO₄S; MgSO₄; F.W. 12.37; CAS [7487-88-9];
Density: 2.66g/cm³ (20°C); EMSURE™, For Analysis

Magnesium Sulfate

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 2kg | ---- | AA33337A3 |

Powder; 99.5% min; MgSO₄; F.W. 120.37; CAS [7487-88-9];
Melting Point: 1124° dec.; **Density:** 2.66g/mL; Anhydrous

Magnesium Sulfate Pure

ACROS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC41348-5000 |
| 2.5kg | Plastic Bottle | AC41348-0025 |

97%; MgO₄S; MgSO₄; F.W. 120.37; CAS [7487-88-9];
Melting Point: 1124.0°C

Magnesium Sulfate, Anhydrous Certified

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | M65-500 |
| 3kg | Poly Bottle | M65-3 |
| 100 lb. | Fiber Drum | M65-100LB |

Powder; Bitter Salt; MgSO₄; F.W. 120.37; CAS [7487-88-9];
Density: 2.65g/mL

Magnesium Sulfate Heptahydrate Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | M63-500 |
| 3kg | Poly Bottle | M63-3 |
| 50kg | Fiber Drum | M63-50 |

Crystalline; 98 to 102%; MgSO₄·7H₂O; F.W. 246.47;
 CAS [10034-99-8]; **Density:** 1.68g/mL

Manganese Chloride Tetrahydrate Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | M87-100 |
| 500g | Glass Bottle | M87-500 |

Crystalline; 98 to 101%; Manganese (II) Chloride; MnCl₂·4H₂O;
 F.W. 197.91; CAS [13446-34-9]; **Melting Point:** 58°C (136°F);
Density: 2.01g/mL

Manganese Sulfate Monohydrate Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | M113-500 |
| 3kg | Poly Bottle | M113-3 |

Crystalline; 98.0 to 101.0%; Manganous Sulfate,
 Manganese (II) Sulfate Monohydrate; MnSO₄·H₂O;
 F.W. 169.02; CAS [10034-96-5]; **Melting Point:** 700°C;
Boiling Point: 850°C; **Density:** 3.25g/mL

Marble Chips

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | M123-3 |

Calcium Carbonate; CaCO₃; CAS [1317-65-3];
Melting Point: 897.8°C; For Kipp generator.

Mercuric Acetate ACS Reagent

ACROS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC44727-0250 |

C₄H₆HgO₄; (CH₃CO₂)₂Hg; F.W. 318.67; CAS [1600-27-7];
Melting Point: 179.0° to 182.0°C

Metaphosphoric Acid

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500g | ---- | AAB2093236 |

bal. NaPO₃ (Stabilizer); HPO₃; F.W. 79.98; CAS [37267-86-0];
Transport Hazard Class: 8; **UN:** 3260

Metaphosphoric Acid ACS Reagent

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA3326736 |

Crystalline; Phosphoric Acid (meta); HPO₃; F.W. 79.98;
 CAS [37267-86-0]; **Density:** 2.2g/cm³ at 20°C; **UN:** 3260; White

Nickel Chloride Hexahydrate Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 250g | Glass Bottle | N54-250 |
| 500g | Glass Bottle | N54-500 |
| 3kg | Glass Bottle | N54-3 |

Crystalline; ≥97%; Nickel (II) Chloride Hexahydrate;
 NiCl₂·6H₂O; F.W. 237.69; CAS [7791-20-0];
Boiling Point: 972.78°C; **Density:** 3.55g/mL;
DOT Class 6.1: Poison; **UN:** 3288

Nickel Chloride Hexahydrate Technical Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | N53-500 |

Crystalline; Nickel (II) Chloride Hexahydrate; NiCl₂·6H₂O;
 F.W. 237.69; CAS [7791-20-0]; **Boiling Point:** 972.78°C;
Density: 3.55g/mL; **DOT Class 6.1:** Poison; **UN:** 3288

Nickel Nitrate Hexahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | N62-500 |

Crystalline; Nickel (II) Nitrate Hexahydrate; Ni(NO₃)₂·6H₂O; **F.W.** 290.81; CAS [13478-00-7]; **Melting Point:** 56.7°C; **Boiling Point:** 137°C; **Density:** 2.05g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 2725



Nickel Sulfate Hexahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100g | Poly Bottle | N73-100 |
| 500g | Poly Bottle | N73-500 |

Crystalline; Nickel (II) Sulfate; NiSO₄·6H₂O; **F.W.** 262.85; CAS [10101-97-0]; **Melting Point:** 53°C; **Boiling Point:** 103°C; **Density:** 2.07g/mL



Nickel(II) Sulfate Hexahydrate ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 5kg | Plastic Bottle | AC41561-0051 |

Blue to green crystals; 98+%; NiO₄S·6H₂O; NiSO₄·6H₂O; **F.W.** 262.85; CAS [10101-97-0]; **Melting Point:** 53°C; **UN:** 3288

Oxone



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA8989222 |
| 1kg | ---- | AA89892A1 |

Granular; Potassium Peroxymonosulfate, Potassium Monopersulfate Triple Salt; CAS [70693-62-8]; **Density:** 1.15g/mL

Palladium(II) Acetate



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 50g | Glass Bottle | AC19518-0500 |

Palladium Diacetate; C₄H₆O₄Pd; (CH₃COO)₂Pd; **F.W.** 224.51; CAS [3375-31-3]; **Melting Point:** 205.0°C; **UN:** 3261

Palladium(II) Acetate



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1g | Glass Bottle | AC44139-0010 |
| 5g | Glass Bottle | AC44139-0050 |

99.9%; Trace Metal Basis; Palladium Diacetate; C₄H₆O₄Pd; (CH₃COO)₂Pd; **F.W.** 224.51; CAS [3375-31-3]; **Melting Point:** 205.0°C

Palladium(II) Chloride



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC36967-0250 |

99.999%; Trace Metal Basis; Cl₂Pd; PdCl₂; **F.W.** 177.31; CAS [7647-10-1]; **Melting Point:** 678.0° to 680.0°C; **UN:** 3290

Palladium Hydroxide, 20% on Carbon



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 2g | ---- | AA4257804 |

CAS [12135-22-7]

Palladium(II) Nitrate Hydrate



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 50g | ---- | AA1103518 |

Red-Brown Crystals; 99.8% (Metal Basis); N₂O₆Pd·xH₂O; **F.W.** 230.43; CAS [10102-05-3]

Phosphorus(III) Bromide



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA4019122 |

Clear Colorless Liquid; 99% (Metal Basis); Phosphorus Tribromide; PBr₃; **F.W.** 270.70; CAS [7789-60-8]; **Melting Point:** -40°C (-40°F); **Boiling Point:** -172.9°C (-343°F); **Density:** 2.852g/cm³ at 20°C; **UN:** 1808; Colorless

Phosphorus(III) Chloride



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250g | ---- | AA4443630 |

Yellow Liquid; 98% min.; PCl₃; **F.W.** 137.33; CAS [7719-12-2]; **Melting Point:** -111.8°C; **Boiling Point:** 76°C; **Density:** 1.574g/cm³ at 20°C; **UN:** 1809; Yellow

Phosphorus Pentoxide Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | A245-100 |
| 500g | Glass Bottle | A245-500 |

≥99%; Phosphoric Anhydride; P₂O₅; **F.W.** 141.94; CAS [1314-56-3]; **Melting Point:** 340° to 360°C (644° to 680°F); **Boiling Point:** 360°C; **Density:** 4.9; **DOT Class 8:** Corrosive; **UN:** 1807



Potassium Acetate USP



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | P178-3 |

Crystalline; Acetic Acid, Potassium Salt; C₂H₃KO₂; CH₃COOK; **F.W.** 98.14; CAS [127-08-2]; **Melting Point:** 292°C; **Flash Point:** 250°C; **Density:** 1.8g/mL



Potassium Acetate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | P171-500 |
| 3kg | Poly Pail | P171I-3 |

Crystalline; ≥99%; Acetic Acid Potassium Salt; C₂H₃KO₂; CH₃COOK; **F.W.** 98.14; CAS [127-08-2]; **Melting Point:** 292°C; **Flash Point:** 250°C; **Density:** 1.8g/mL



Potassium Acetate BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | 02003705 |

Crystal; CH₃COOK; **F.W.** 98.14; CAS [127-08-2]

Potassium Antimonate Trihydrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 50g | ---- | AA3952418 |

White Powder; >94%; Potassium Pyroantimonate, Potassium hexahydroxyantimonate; $\text{KSbO}_3 \cdot 3\text{H}_2\text{O}$; **F.W.** 262.90; **CAS** [12208-13-8]; **UN:** 1549; White

Potassium Bicarbonate

USP/FCC

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | P235-500 |
| 12kg | Poly Pail | P235-12 |

Powder; (Dried Basis) 0.99.5 to 101.5%; Potassium Acid Carbonate, Potassium Hydrogen Carbonate; KHCO_3 ; **F.W.** 100.12; **CAS** [298-14-6]; **Melting Point:** 100°C (212°F); **Density:** 2.17g/mL

ChemAlert
Storage Code
GRAY

Potassium Bicarbonate

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | P184-500 |

Crystalline; 99.7 to 100.5%; Potassium Acid Carbonate, Potassium Hydrogen Carbonate; KHCO_3 ; **F.W.** 100.12; **CAS** [298-14-6]; **Melting Point:** 100°C (212°F); **Density:** 2.17g/mL

ChemAlert
Storage Code
GRAY

Potassium Bisulfate

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | P193-500 |

Crystalline; Potassium Sulfate Acid, Potassium Hydrogen Sulfate; KHSO_4 ; **F.W.** 136.17; **CAS** [7646-93-7]; **Melting Point:** 195° to 197°C; **Density:** 2.24g/mL; **DOT Class 8:** Corrosive; **UN:** 2509

ChemAlert
Storage Code
WHITE

Potassium Bromate

ACS Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA4001322 |

Granular; 99.8% min; KBrO_3 ; **F.W.** 167; **CAS** [7758-01-2]; **Melting Point:** 370°C; **Density:** 3.27g/mL

Potassium Bromide

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | P227-25 |

KBr ; **F.W.** 119.00; **CAS** [7758-02-3]; **Melting Point:** 730°C (1346°F); **Boiling Point:** 1435°C (2615°F); **Density:** 2.75g/mL

ChemAlert
Storage Code
GRAY

Potassium Bromide

For Spectroscopy

ACROS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 100g | Plastic Bottle | AC20639-1000 |

≥99%; BrK; KBr ; **F.W.** 119.00; **CAS** [7758-02-3]; **Melting Point:** 734.0°C; **Boiling Point:** 1435.0°C

Potassium Bromide

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 25g | ---- | AA3979414 |
| 100g | ---- | AA3979422 |

Powder; KBr ; **F.W.** 119.01; **CAS** [7758-02-3]; **Melting Point:** 730°C (1346°F); **Boiling Point:** 1435°C; **Density:** 2.75g/mL; FTIR Grade

Potassium Bromide

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | P205-500 |
| 3kg | Poly Bottle | P205-3 |

Beads or Powder; ≥99%; KBr ; **F.W.** 119.00; **CAS** [7758-02-3]; **Melting Point:** 730°C (1346°F); **Boiling Point:** 1435°C; **Density:** 2.75g/mL

ChemAlert
Storage Code
GRAY

Potassium Carbonate, Anhydrous

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | P208-500 |
| 3kg | Poly Bottle | P208-3 |

Granular Powder; ≥99.0%; Salt of Tartar, Pearl Ash, Carbonic Acid Potassium Salt; K_2CO_3 ; **F.W.** 138.21; **CAS** [584-08-7]; **Melting Point:** 891°C; **Density:** 2.43g/mL

ChemAlert
Storage Code
GRAY

Potassium Carbonate

ACS Reagent

ACROS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC42408-5000 |
| 10kg | Plastic Drum | AC42408-0100 |

≥99%; $\text{C}_2\text{K}_2\text{O}_3$; K_2CO_3 ; **F.W.** 138.21; **CAS** [584-08-7]; **Melting Point:** 891.0°C

Potassium Chloride

EP/BP/USP/FCC

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 500g | Poly Bottle | P333-500 |
| 3kg | Poly Bottle | P333-3 |
| 250 lb. | Fiber Drum | P333-250LB |

Crystalline; KCl ; **F.W.** 74.55; **CAS** [7447-40-7]; **Melting Point:** 773°C (1423°F); **Boiling Point:** Sublimes at 1500°C; **Density:** 1.99g/mL

ChemAlert
Storage Code
GRAY

Potassium Chloride

Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | P217-500 |
| 3kg | Poly Bottle | P217-3 |
| 10kg | Poly Pail | P217-10 |

Crystalline; 99.0 to 100.5%; KCl ; **F.W.** 74.55; **CAS** [7447-40-7]; **Melting Point:** 773°C (1423°F); **Boiling Point:** Sublimes at 1500°C; **Density:** 1.99g/mL; Potassium chloride for calomel cells.

ChemAlert
Storage Code
GRAY

Potassium Chloride

ACS Reagent

ACROS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 1kg | Plastic Bottle | AC42409-0010 |

≥99%; ClK; KCl ; **F.W.** 74.54; **CAS** [7447-40-7]; **Melting Point:** 770.0°C; **Boiling Point:** 1420.0°C

Potassium Chloride ACS Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 5kg | ---- | AA11595A7 |

Crystalline; 99.0 to 100.5%; KCl; **F.W.** 74.55; CAS [7447-40-7]; **Melting Point:** 773°C; **Boiling Point:** 1500°C (subl.); **Density:** 1.984g/mL

Potassium Chloride

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250g | ---- | AA1083930 |

Powder/Crystalline/Beads; 99.997% (Metal Basis); KCl; **F.W.** 74.55; CAS [7447-40-7]; **Melting Point:** 773°C (1423°F); **Boiling Point:** 1500°C (2732°F); **Density:** 1.984g/cm³ at 20°C; White

Potassium Chloride



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 500mL | Poly Natural Bottle | 5899216 |

Clear, Colorless Liquid with Possible Precipitate; CAS [7447-40-7, 7732-18-5]; **Melting Point:** Approximately 0°C; **Boiling Point:** Approximately 100°C;

Potassium Chromate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100g | Poly Bottle | P220-100 |
| 500g | Poly Bottle | P220-500 |

Granular; 99.5 to 100.5%; K₂CrO₄; **F.W.** 194.19; CAS [7789-00-6]; **Melting Point:** 975°C; **Density:** 2.73g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 3087

Potassium Cyanide Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | P2231-100 |
| 500g | Glass Bottle | P2231-500 |

Granular; KCN; **F.W.** 65.12; CAS [151-50-8]; **DOT Class 6.1:** Poison; **UN:** 1680

Potassium Cyanide ACS Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1kg | ---- | AA12136A1 |

Granular; 96.0% min.; KCN; **F.W.** 65.12; CAS [151-50-8]; **Melting Point:** 634°C; **Boiling Point:** 1625°C; **Density:** 1.52g/mL

Potassium Cyanide Extra Pure

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|------------------------------|--------------|
| 10kg | Platic Bag in Plastic Bucket | AC38831-0100 |

≥97%; KCN; **F.W.** 65.12; CAS [151-50-8]; **Melting Point:** 634.0°C; **Boiling Point:** 1625.0°C; **UN:** 1680

Potassium Dichromate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100g | Poly Bottle | P188-100 |
| 500g | Poly Bottle | P188-500 |
| 3kg | Poly Bottle | P188-3 |

Crystalline; ≥99%; Potassium Bichromate; K₂Cr₂O₇; **F.W.** 294.18; CAS [7778-50-9]; **Melting Point:** 398°C; **Boiling Point:** 500°C; **Density:** 2.68g/mL; **DOT Class 6.1:** Poison; **UN:** 3086

ChemAlert
Storage Code
YELLOW

Potassium Dichromate Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | P186-500 |
| 3kg | Poly Bottle | P186-3 |

Fine Granular; K₂Cr₂O₇; **F.W.** 294.18; CAS [7778-50-9]; **Melting Point:** 398°C; **Boiling Point:** 500°C; **Density:** 2.68g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1479

ChemAlert
Storage Code
YELLOW

Potassium Dihydrogen Phosphate ACS Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250g | ---- | AA1159430 |
| 1kg | ---- | AA11594A1 |

Potassium Dihydrogen Phosphate, Anhydrous Suprapur™



| Quantity | Packaging | Cat. No. |
|----------|----------------|-------------|
| 500g | Plastic Bottle | M1051080500 |

Colorless Solid; 99.995%; mono-Potassium Orthophosphate, Potassium Biphosphate, Potassium Phosphate Monobasic; H₂KO₄P; KH₂PO₄; **F.W.** 136.8; CAS [7778-77-0]; **Melting Point:** 253°C (decomposition); **Density:** 2.34g/cm³ (20°C)

Potassium Ferricyanide Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | P232-500 |

Crystalline; ≥99%; Potassium Prussiate, Red, Prussiate of Potash, Red, Everitt's Salt; K₃FeK₃N₆; K₃Fe(CN)₆; **F.W.** 329.25; CAS [13746-66-2]; **Density:** 1.85g/mL

ChemAlert
Storage Code
GRAY

Potassium Ferricyanide ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1kg | Poly Bottle | MPX14554 |

K₃Fe(CN)₆; **F.W.** 329.25; CAS [13746-66-2]

Potassium Ferricyanide BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|----------|
| 2.5kg | Wide Mouth Amber Glass Bottle | 02003759 |

Crystal; K₃Fe(CN)₆; **F.W.** 329.26; CAS [13746-66-2]

Potassium Ferrocyanide Trihydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | P236-500 |

Crystalline; 98.5 to 102.0%; Potassium Prussiate, Yellow, Prussiate of Potash, Yellow; K₄Fe(CN)₆·3H₂O; **F.W.** 422.39; CAS [14459-95-1]; **Melting Point:** 70°C; **Density:** 1.85g/mL

ChemAlert
Storage Code
GRAY

Potassium Fluoride Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC20135-0025 |

99%; FK; KF; **FW.** 58.09; CAS [7789-23-3]; **Melting Point:** 860.0°C; **Boiling Point:** 1505.0°C; **UN:** 1812

Potassium Fluoride, Anhydrous



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1kg | ---- | AA14130A1 |

White various forms (Powder/Flake/Crystalline/Beads, etc.); 99%; FK; **FW.** 58.10; CAS [7789-23-3]; **Melting Point:** 858°C (1576°F); **Boiling Point:** 1505°C (2741°F); **Density:** 2.48g/cm³; **UN:** 1812; White

Potassium Hydrogen Phthalate



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 125g | Plastic Bottle | MPX14763 |

White Crystals; 99.95 to 100.05%; Potassium Biphthalate; C₈H₅KO₄; **FW.** 204.22; CAS [877-24-7]; **Melting Point:** 295° to 300°C; **Density:** 1.636g/cm³; **Recommended Storage:** Store at +15°C to +25°C; Traceable To NIST™ Standard Reference Material (SRM); Certipure™

Potassium Hydrogen Sulfate, Fused ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA1380036 |

White Fused Powder; **FW.** 136.17; **Melting Point:** 214°C (417°F); **UN:** 2509; White

Potassium Iodate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100g | Poly Bottle | P253-100 |
| 500g | Poly Bottle | P253-500 |

Powder; 99.4 to 100.4%; KIO₃; **FW.** 214; CAS [7758-05-6]; **Melting Point:** 560°C; **Density:** 3.89g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1479



Potassium Iodide USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | P412-500 |
| 3kg | Poly Bottle | P412-3 |
| 10kg | Poly Pail | P412-10 |

Granular, Free Flowing; KI; **FW.** 166; CAS [7681-11-0]; **Melting Point:** 680°C; **Boiling Point:** 1330°C; **Density:** 3.13g/mL



Potassium Iodide Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100g | Poly Bottle | P410-100 |
| 500g | Poly Bottle | P410-500 |
| 3kg | Poly Bottle | P410-3 |
| 10kg | Poly Pail | P410-10 |

Granular, Free Flowing; ≥99%; KI; **FW.** 166; CAS [7681-11-0]; **Melting Point:** 680°C; **Boiling Point:** 1330°C; **Density:** 3.13g/mL



Potassium Iodide ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500g | Glass Bottle | AC41826-5000 |

≥99%; IK; KI; **FW.** 166.00; CAS [7681-11-0]; **Melting Point:** 680.0°C; **Boiling Point:** 1330.0°C

Potassium Iodide ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 500g | Amber Glass Bottle | LC196901 |

Solid; ≥99.0%; KI; **FW.** 166; CAS [7681-11-0]; **Melting Point:** 680°C; **Boiling Point:** 1330°C; **Density:** 3.13g/cm³

Potassium Iodide



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | MPX15051 |

Crystalline; KI; **FW.** 166.00; **Melting Point:** 680.9°C (1257.6°F); **Boiling Point:** 1420.05°C (2588.1°F)

Potassium Iodide ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 2.5kg | Plastic Bottle | MPX15055 |
| 12kg | Poly Pail | MPX15057 |

White Crystals or Granules; 99.0% min.; KI; **FW.** 166; CAS [7681-11-0]

Potassium Nitrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100g | Poly Bottle | P263-100 |
| 500g | Poly Bottle | P263-500 |
| 3kg | Poly Bottle | P263-3 |
| 50kg | Fiber Drum | P263-50 |

FW. 101.1; CAS [7757-79-1]; **Melting Point:** 334°C; **Boiling Point:** 400°C; **Density:** 2.11g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1486



Potassium Nitrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100g | Poly Bottle | P383-100 |
| 500g | Poly Bottle | P383-500 |

KNO₃; **FW.** 101.1; CAS [7757-79-1]; **Melting Point:** 334°C; **Boiling Point:** 400°C; **Density:** 2.11g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1486; Primary nitrogen standard



Potassium Nitrate Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 3kg | Glass Bottle | P261-3 |

Granular; KNO₃; **FW.** 101.1; CAS [7757-79-1]; **Melting Point:** 334°C; **Boiling Point:** 400°C; **Density:** 2.11g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1486



Potassium Nitrate Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500g | Glass Bottle | AC44637-5000 |
| 2.5kg | Glass Bottle | AC44637-0025 |

99%; KNO₃; **FW.** 101.10; CAS [7757-79-1];
Melting Point: 334.0°C; **Boiling Point:** 400.0°C; **UN:** 1486;

Potassium Nitrate Biochemical Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC44782-5000 |

≥99%; KNO₃; **FW.** 101.10; CAS [7757-79-1];
Melting Point: 334.0°C; **Boiling Point:** 400.0°C;

Potassium Nitrate ISO, Reagent Grade, EP



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 12kg | Poly Pail | MPX15207 |

White Crystals; 99.0% min.; Nitric Acid Potassium Salt; KNO₃;
FW. 11.1; CAS [7757-79-1]; **Melting Point:** 334°C;
Density: 2.11g/cm³ (20°C); EMSURE™, For Analysis

Potassium Nitrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 250g | Glass Bottle | P267-250 |
| 500g | Glass Bottle | P267-500 |

Crystalline; ≥96%; KNO₃; **FW.** 85.1; CAS [7758-09-0];
Melting Point: 387°C; **Density:** 1.92g/mL;
DOT Class 5.1: Oxidizer; **UN:** 1488



Potassium meta-Periodate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | P277-100 |

99.8 to 100.3%; Potassium Periodate; KIO₄; **FW.** 230;
CAS [7790-21-8]; **Melting Point:** 582°C; **Density:** 3.98g/cm³;
DOT Class 5.1: Oxidizer; **UN:** 1479



Potassium Permanganate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | P279-500 |
| 2.5kg | Glass Bottle | P279-212 |

Crystalline; ≥99%; KMnO₄; **FW.** 158.03; CAS [7722-64-7];
Melting Point: 240°C (464°F); **Density:** 2.7g/mL;
DOT Class 5.1: Oxidizer; **UN:** 1490; **C.I.** 77755



Potassium Permanganate ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | --- | AA1430736 |

Dark Crystalline; 99.0% min.; KMnO₄; **FW.** 158.03; CAS [7722-64-7];
Melting Point: 240°C (464°F); **Density:** 2.7g/cm³; **UN:** 1490; Dark;
In photography, tanning leather, purifying water, manufacturing mineral water, as an analytical lab reagent.

Potassium Permanganate ACS Grade, Reagent Grade, EP



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | MPX15501 |

Permanganic Acid Potassium Salt; KMnO₄; **FW.** 158.3;
CAS [7722-64-7]; **Melting Point:** >24°C (decomposition);
Density: 2.70g/cm³ (20°C)

Potassium Peroxydisulfate ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1kg | --- | AA13145A1 |

White Crystalline Powder; 99.0% min.; Potassium Persulfate;
K₂S₂O₈; **FW.** 270.31; CAS [7727-21-1]; **Melting Point:** 100°C (212°F);
Density: 2.477g/cm³; **UN:** 1492; White; A polymerization accelerant for PAGE gels.

Potassium Phosphate ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | MPX15655 |

KH₂PO₄; **FW.** 136.09; CAS [7778-77-0]; Monobasic

Potassium Phosphate BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | 02003816 |
| 2.5kg | Poly bottle | 02003817 |

Crystal; KH₂PO₄; **FW.** 136.09; CAS [7778-77-0]; Monobasic

Potassium Phosphate Ultrapure Bioreagent



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|----------|
| 2.5kg | Wide Mouth Amber Glass Bottle | 02003818 |

Crystal; KH₂PO₄; **FW.** 136.09; CAS [7778-77-0]

Potassium Phosphate Ultrapure Bioreagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | 02003824 |

Powder; K₂HPO₄; **FW.** 174.18; CAS [7758-11-4]; Dibasic

Potassium Phosphate Dibasic ACS Reagents 20



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC42419-5000 |
| 10kg | Plastic Drum | AC42419-0100 |

≥98%; Dipotassium Hydrogen Phosphate; HK₂O₄P; K₂HPO₄;
FW. 174.18; CAS [7758-11-4]; **Melting Point:** 340.0°C

Potassium Phosphate Dibasic ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 500g | Plastic Bottle | MPX15701 |
| 1kg | Plastic Bottle | MPX15702 |

White Granular Powder; 98.0% min.
Potassium Dihydrogen Phosphate; K₂HPO₄; **FW.** 174.18;
CAS [7758-11-4]

Potassium Phosphate Dibasic, Anhydrous USP

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | P290-500 |
| 2.5kg | Poly Bottle | P290-212 |
| 12kg | Poly Pail | P290-12 |

Crystalline Powder; Potassium Monohydrogen Phosphate, Dipotassium Hydrogen Phosphate; K_2HPO_4 ; **F.W.** 174.18; **CAS** [7758-11-4]; **Melting Point:** 252.78°C; **Density:** 2.3g/mL



Potassium Phosphate Monobasic Laboratory Grade

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | P284-500 |

Granular; Potassium Acid Phosphate, Potassium Biphosphate, Potassium Dihydrogen Phosphate; KH_2PO_4 ; **F.W.** 136.09; **CAS** [7778-77-0]; **Melting Point:** 252.6°C; **Density:** 2.34g/mL



Potassium Phosphate Dibasic, Anhydrous Certified ACS

| Quantity | Packaging | Cat. No. |
|----------|--------------|------------|
| 100g | Glass Bottle | P288-100 |
| 500g | Glass Bottle | P288-500 |
| 3kg | Glass Bottle | P288-3 |
| 50kg | Fiber Drum | P288-50 |
| 200 lb. | Fiber Drum | P288-200LB |

Crystalline Powder; $\geq 98.0\%$; Potassium Monohydrogen Phosphate, Dipotassium Hydrogen Phosphate; K_2HPO_4 ; **F.W.** 174.18; **CAS** [7758-11-4]; **Melting Point:** 252.78°C; **Density:** 2.3g/mL



Potassium Phosphate Monobasic ACS Reagent

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC42420-5000 |

$\geq 99\%$; Potassium Dihydrogen Phosphate; $H_2K_2O_4P$; KH_2PO_4 ; **F.W.** 136.09; **CAS** [7778-77-0]; **Melting Point:** 253.0°C



Potassium Phosphate Monobasic HPLC Grade, ACS Grade

| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 500g | Plastic Bottle | MPX15625 |

Crystalline; 99.0%, min.; Potassium Dihydrogen Phosphate; KH_2PO_4 ; **F.W.** 136.9; **CAS** [7778-77-0]



Potassium Phosphate Monobasic HPLC Grade

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1kg | Glass Bottle | P286-1 |

Crystalline; $\geq 99\%$; Potassium Dihydrogen Phosphate; KH_2PO_4 ; **F.W.** 136.09; **CAS** [7778-77-0]; **Melting Point:** 252.6°C; **Density:** 2.34g/mL; Also meets ACS specifications



Potassium Phosphate Monobasic ACS Grade

| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 500g | Plastic Bottle | MPX15651 |

KH_2PO_4 ; **F.W.** 136.09; Meets ACS Specifications; Meets Reagent Specifications for testing USP/NF monographs **CAS** [7778-77-0]



Potassium Phosphate Monobasic NF/FCC

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | P380-500 |
| 2.5kg | Poly Bottle | P380-212 |
| 12kg | Poly Pail | P380-12 |

Crystalline; Potassium Acid Phosphate, Potassium Biphosphate, Potassium Dihydrogen Phosphate; KH_2PO_4 ; **F.W.** 136.09; **CAS** [7778-77-0]; **Melting Point:** 252.6°C; **Density:** 2.34g/mL



Potassium Phosphate Tribasic Certified ACS

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | P289-500 |

Granular Powder; $\geq 95\%$; Tripotassium Phosphate, Potassium Orthophosphate; K_3O_4P ; **CAS** [7778-53-2]; **Melting Point:** 1340°C



Potassium Phosphate Monobasic Primary Standard

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | P382-500 |

Crystalline; 99.5 to 100.5%; Potassium Dihydrogen Phosphate; KH_2PO_4 ; **F.W.** 136.09; **CAS** [7778-77-0]; **Melting Point:** 252.6°C; **Density:** 2.34g/mL



Potassium Sulfate Certified ACS

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | P304-500 |
| 3kg | Poly Bottle | P304-3 |
| 10kg | Poly Pail | P304-10 |

Crystalline; $\geq 99\%$; K_2O_4S ; **F.W.** 174.26; **CAS** [7778-80-5]; **Melting Point:** 1067°C; **Boiling Point:** 1689°C; **Density:** 2.66g/mL; Suitable for determination of nitrogen.



Potassium Phosphate Monobasic Certified ACS

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | P285-500 |
| 3kg | Poly Bottle | P285-3 |
| 10kg | Poly Pail | P285-10 |
| 50kg | Fiber Drum | P285-50 |

Crystalline; $\geq 99\%$; Potassium Dihydrogen Phosphate; KH_2PO_4 ; **F.W.** 136.09; **CAS** [7778-77-0]; **Melting Point:** 252.6°C; **Density:** 2.34g/mL



Potassium Sulfate Certified ACS

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | P305-500 |

Powder; $\geq 99\%$; K_2O_4S ; **F.W.** 174.26; **CAS** [7778-80-5]; **Melting Point:** 1067°C; **Boiling Point:** 1689°C; **Density:** 2.66g/mL; Suitable for determination of nitrogen.



Potassium Tartrate Hemihydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | P313-500 |

Crystalline; Tartar Soluble, Tartaric Acid Potassium Salt; $C_4H_4K_2O_6 \cdot 0.5H_2O$; $KOOC(CHOH)_2COOK \cdot 0.5H_2O$; F.W. 235.28; CAS [6100-19-2]; **Melting Point:** 155°C; **Boiling Point:** 200°C; **Density:** 2g/mL



Potassium Tetrachloroplatinate(II)

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 5g | ---- | AA1104806 |

Crystalline; 99.9% (Metal Basis); Cl_4K_2Pt ; F.W. 415.11; CAS [10025-99-7]; **Density:** 3.38g/cm³; **UN:** 3288; Red-brown

Potassium Thiocyanate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | P317-100 |
| 500g | Glass Bottle | P317-500 |

Crystalline; ≥98.5%; Potassium Rhodanate, Potassium Sulfofocyanate, Potassium Sulfofocyanide, Potassium Isothiocyanate; $KSCN$; F.W. 97.18; CAS [333-20-0]; **Melting Point:** 170° to 179°C (338° to 354.2°F); **Boiling Point:** 500°C; **Density:** 1.89g/mL



Ruthenium(III) Chloride Hydrate



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC19548-1000 |

Ruthenium Trichloride; $Cl_3Ru \cdot xH_2O$; $RuCl_3 \cdot xH_2O$; F.W. 207.42; CAS [14898-67-0]; **UN:** 3260

Samarium(III) Nitrate Hexahydrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA1290622 |

Crystalline; 99.9% (REO); $Sm(NO_3)_6 \cdot 6H_2O$; F.W. 444.45 (336.36 anhy); CAS [13759-83-6]; **Melting Point:** 78° to 79°C (172° to 174°F); **Density:** 2.375g/cm³ at 20°C; **UN:** 1477

Sand Pure



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 25kg | Plastic Bag in Cardbox | AC37094-0250 |

Quartz, Silicon dioxide; O_2Si ; SiO_2 ; F.W. 60.08; CAS [14808-60-7]; **Melting Point:** 1610.0°C; **Boiling Point:** 2230.0°C; 40 to 100 Mesh

Sand, Ottawa



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | S23-3 |
| 50kg | Fiber Drum | S23-50 |

SiO_2 ; CAS [14808-60-7]; **Melting Point:** 1710°C; **Boiling Point:** 2240°C; **Density:** 2.65g/mL; For cement testing; ASTM C 190 and AASHTO Method T-132.



Sand, Sea



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S25-500 |
| 3kg | Poly Bottle | S25-3 |
| 10kg | Bag in Box | S25-10 |

Washed; SiO_2 ; CAS [14808-60-7]; **Melting Point:** 1710°C; **Boiling Point:** 2240°C; **Density:** 2.65g/mL; Washed



Sand, Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 2.5kg | Plastic Bottle | MSX00703 |

Granular; SiO_2 ; F.W. 6.8; CAS [14808-60-7]; Beige

Sand Standard, Ottawa



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | MSX00751 |

Solid; SiO_2 ; F.W. 60.08; CAS [14808-60-7]; **Melting Point:** 1710°C; **Boiling Point:** 2230°C; Washed and Ignited

Sand, Washed



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC61235-5000 |
| 5kg | Plastic Bottle | AC61235-0050 |
| 25kg | Plastic Bottle | AC61235-0250 |

Quartz, Silicon dioxide; O_2Si ; SiO_2 ; F.W. 60.08; **Melting Point:** 1610.0°C; **Boiling Point:** 2230.0°C

Scandium(III) Oxide

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 25g | ---- | AA1121614 |

Powder; 99.9%; Sc_2O_3 ; F.W. 137.91; CAS [12060-08-1]; **Melting Point:** 2485°C (4505°F)

Silicic Acid Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | A288-500 |

Precipitated Powder; Silica Acid; H_2O_3Si ; CAS [7699-41-4]



Silver Chloride Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | S174-100 |

Granular; $AgCl$; F.W. 143.32; CAS [7783-90-6]; **Melting Point:** 455°C; **Boiling Point:** 1550°C; **Density:** 5.56g/mL



Silver Diethyldithiocarbamate ACS Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 10g | ---- | AA1189809 |
| 50g | ---- | AA1189818 |

Powder; $C_5H_{10}AgNS_2$; F.W. 256.14; CAS [1470-61-7]; **Melting Point:** 172° to 175°C (342°-347°F); White

Silver Nitrate USP



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | S486-100 |
| 500g | Glass Bottle | S486-500 |

Crystalline; 99.8 to 100.5%; AgNO₃; F.W. 169.87; CAS [7761-88-8]; **Melting Point:** 212°C (413.6°F); **Boiling Point:** 433°C; **Density:** 4.35g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1493



Silver Sulfate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | S190-25 |
| 100g | Glass Bottle | S190-100 |
| 500g | Glass Bottle | S190-500 |

Powder; ≥98%; Ag₂O₄S; F.W. 311.8; CAS [10294-26-5]; **Melting Point:** 652.2°C; **Boiling Point:** 1085°C; **Density:** 5.5g/ml



Silver Nitrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | S181-25 |
| 100g | Glass Bottle | S181-100 |
| 500g | Glass Bottle | S181-500 |

Crystalline; Assay: ≥99.7%; AgNO₃; F.W. 169.87; CAS [7761-88-8]; **Melting Point:** 212°C (413.6°F); **Boiling Point:** 433°C (811.4°F); **Density:** 4.35g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1493



Silver Sulfate ACS Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA1141722 |

Powder; 98%; Ag₂O₄S; F.W. 311.80; CAS [10294-26-5]; **Melting Point:** 657°C (1215°F); **Boiling Point:** 1085°C; **Density:** 5.45g/mL; For AAS analysis

Silver Nitrate ACS Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 25g | ---- | AA1141414 |
| 100g | ---- | AA1141422 |
| 500g | ---- | AA1141436 |

Crystalline; >99.9% (Metal Basis); AgNO₃; F.W. 169.87; CAS [7761-88-8]; **Melting Point:** 212°C (413.6°F); **Density:** 4.352g/mL; For AAS analysis

Silver Sulfate

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA1211222 |

Powder; 99.999% (Metal Basis); Ag₂O₄S; F.W. 311.8; CAS [10294-26-5]; **Melting Point:** 657°C (1215°F); **Boiling Point:** 1085°C (1985°F); **Density:** 5.45g/cm³ at 20°C; **UN:** 3077; White

Soda Lime ACS Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 2.5kg | ---- | AA44697A4 |

CAS [8006-28-8]; Transport Hazard Class: 8

Silver Nitrate ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 500g | Amber Glass Bottle | LC225001 |

Solid; ≥99.0%; AgNO₃; F.W. 169.87; CAS [7761-88-8]; **Melting Point:** 212°C; **Boiling Point:** 444°C; **Density:** 4352kg/m³; **DOT Class 5.1:** Oxidizer; **UN:** 1493

Silver Nitrate



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC19768-0050 |
| 25g | Glass Bottle | AC19768-0250 |
| 100g | Glass Bottle | AC19768-1000 |
| 500g | Glass Bottle | AC19768-5000 |

99.85%; AgNO₃; F.W. 169.87; CAS [7761-88-8]; **Melting Point:** 212.0°C; **Boiling Point:** 444.0°C

Silver Oxide Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | S184-100 |

Ag₂O; F.W. 231.74; CAS [20667-12-3]; **Density:** 7.14g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1479



Sodium Acetate, Anhydrous Certified ACS

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Poly Bottle | S210-500 |
| 2kg | Glass Bottle | S210-2 |

Fused Crystals; ≥99%; C₂H₃O₂Na; CH₃COONa; F.W. 82.03; CAS [127-09-3]; **Melting Point:** 324°C; **Flash Point:** 250°C



Silver Perchlorate

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA4220922 |

White Crystals; AgClO₄; F.W. 207.32; CAS [7783-93-9]; **Melting Point:** 485°C (905°F); **Density:** 2.806g/cm³ at 20°C; **UN:** 1481; White

Sodium Acetate Trihydrate HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1kg | Poly Bottle | S220-1 |

99 to 101%; C₂H₃O₂Na·3H₂O; CH₃COONa·3H₂O; F.W. 136.08; CAS [6131-90-4]; **Melting Point:** 57.78°C; **Boiling Point:** 122.78°C; **Density:** 1.45g/mL; Also meets ACS specifications;



Sodium Acetate Trihydrate USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S608-500 |
| 3kg | Poly Bottle | S608-3 |
| 12kg | Poly Pail | S608-12 |

Granular; $C_2H_3O_2Na \cdot 3H_2O$; $CH_3COONa \cdot 3H_2O$; **F.W.** 136.08; **CAS** [6131-90-4]; **Melting Point:** 57.78°C; **Boiling Point:** 122.78°C; **Density:** 1.45g/mL



Sodium Acetate Trihydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | S209-3 |
| 10kg | Poly Pail | S209-10 |
| 50kg | Fiber Drum | S209-50 |
| 500g | Poly Bottle | S209-500 |

Crystalline; 99.0 to 101.0%; $C_2H_3O_2Na \cdot 3H_2O$; $CH_3COONa \cdot 3H_2O$; **F.W.** 136.08; **CAS** [6131-90-4]; **Melting Point:** 57.78°C; **Boiling Point:** 122.78°C; **Density:** 1.45g/mL



Sodium Azide Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 25g | Poly Bottle | S2271-25 |
| 100g | Poly Bottle | S2271-100 |
| 500g | Poly Bottle | S2271-500 |
| 1kg | Poly Bottle | S2271-1 |

Granular; $\geq 99\%$; Sodium Trinitride; NaN_3 ; **F.W.** 65.01; **CAS** [26628-22-8]; **Melting Point:** 275°C (decom); **Boiling Point:** 300°C; **Density:** 1.85g/mL; **DOT Class 6.1:** Poison; **UN:** 1687



Sodium Azide Practical Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | MSX03001 |

Crystalline; 97%, min.; Sodium Trinitride; NaN_3 ; **F.W.** 65.1; **CAS** [26628-22-8]; Light yellow to off-white

Sodium Bicarbonate USP/FCC/EP/BP/JP



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | S637-212 |
| 12kg | Poly Pail | S637-12 |

Crystalline Powder; $NaHCO_3$; **F.W.** 84.01; **CAS** [144-55-8]; **Melting Point:** 270°C; **Density:** 2.16g/mL



Sodium Bicarbonate USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | S631-3 |
| 10kg | Poly Pail | S631-10 |
| 50kg | Fiber Drum | S631-50 |

Powder; Sodium Acid Carbonate, Sodium Hydrogen Carbonate; $NaHCO_3$; **F.W.** 84.01; **CAS** [144-55-8]; **Melting Point:** 270°C; **Density:** 2.16g/mL



Sodium Bicarbonate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 500g | Poly Bottle | S233-500 |
| 3kg | Poly Bottle | S233-3 |
| 10kg | Poly Pail | S233-10 |
| 50kg | Fiber Drum | S233-50 |
| 300 lb. | Fiber Drum | S233-300LB |

Powder; 99.7 to 100.3%; Sodium Acid Carbonate, Carbonic Acid Monosodium Salt, Sodium Hydrogen Carbonate; $NaHCO_3$; **F.W.** 84.01; **CAS** [144-55-8]; **Melting Point:** 270°C; **Density:** 2.16g/mL



Sodium Bicarbonate ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|------------|--------------|
| 25kg | Fiber Drum | AC42427-0251 |

$\geq 99.7\%$; Sodium Hydrogen Carbonate; $CHNaO_3$; $NaHCO_3$; **F.W.** 84.01; **CAS** [144-55-8]; **Melting Point:** 270.0°C

Sodium Bicarbonate ACS Grade, EP



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | MSX03201 |
| 2.5kg | Poly Bottle | MSX03203 |

Sodium Bicarbonate; $CHNaO_3$; $NaHCO_3$; **F.W.** 84.1; **CAS** [144-55-8]; **Melting Point:** 27°C (decomposition); **Density:** 2.22g/cm³ (20°C); EMSURE™, For Analysis

Sodium Bismuthate ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC44813-0250 |
| 100g | Glass Bottle | AC44813-1000 |

$BiNaO_3$; $NaBiO_3$; **F.W.** 279.96; **CAS** [12232-99-4]

Sodium Bisulfate Monohydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S240-500 |
| 3kg | Poly Bottle | S240-3 |

Crystalline; Salt Cake, Sodium Acid Sulfate, Sodium Hydrogen Sulfate, Niter Cake; $NaHSO_4 \cdot H_2O$; **F.W.** 138.07; **CAS** [10034-88-5]; **Melting Point:** 183°C; **Density:** 2.12g/mL; **DOT Class 8:** Corrosive; **UN:** 3260



Sodium Bisulfite Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S654-500 |
| 3kg | Poly Bottle | S654-3 |

Powder; Sodium Hydrogen Sulfite; $HNaO_3S$; **CAS** [7631-90-5, 7681-57-4, 7757-82-6]; **Melting Point:** 150°C (decom); **Density:** 1.48g/mL; Mixture of $NaHSO_3$ and $Na_2S_2O_5$.



Sodium Borate ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | MSX03551 |

$Na_2B_4O_7 \cdot 10H_2O$; **F.W.** 381.37; Decahydrate

Sodium Borohydride



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 10g | Poly Bottle | S678-10 |
| 25g | Poly Bottle | S678-25 |

Powder; H_2BNA ; **F.W.** 37.83; CAS [16940-66-2];
Density: 1.3g/mL; **DOT Class 4.3:** Dangerous When Wet;
UN: 1426

ChemAlert® Storage Code
RED

Sodium Borohydride



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC20005-1000 |

99%; Sodium Tetrahydroborate, SBH; H_2BNA ; $NaBH_4$; **F.W.** 37.83;
 CAS [16940-66-2]; **Melting Point:** 360.0°C; **UN:** 1426

Sodium Borohydride



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5kg | Plastic Drum | AC18930-0025 |

≥98%; Sodium Tetrahydroborate, SBH; H_2BNA ; $NaBH_4$; **F.W.** 37.83;
 CAS [16940-66-2]; **Melting Point:** 360.0°C; **UN:** 1426

Sodium Borohydride

BAKER



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100g | Poly Bottle | 02004004 |

98%; $NaBH_4$; **F.W.** 37.83; CAS [16940-66-2];
Recommended Storage: Product is packaged under Nitrogen blanket

Sodium Bromide

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | S255-500 |
| 3kg | Glass Bottle | S255-3 |

Granular; ≥99%; $BrNa$; **F.W.** 102.89; CAS [7647-15-6];
Melting Point: 755°C; **Boiling Point:** 1390°C;
Density: 3.21g/mL

ChemAlert® Storage Code
GRAY

Sodium Bromide

ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA3644436 |

Crystalline; ≤99.0%; $NaBr$; **F.W.** 102.89; CAS [7647-15-6];
Melting Point: 755°C; **Boiling Point:** 1390°C; **Density:** 3.203g/mL

Sodium Butyrate



| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 100g | ---- | AAA1107922 |
| 500g | ---- | AAA1107936 |

>98%; Butyric Acid Sodium Salt; $C_4H_7NaO_2$; **F.W.** 110.09;
 CAS [156-54-7]; **Melting Point:** >300°C

Sodium Carbonate

ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC42428-5000 |

99.6%; CNa_2O_3 ; Na_2CO_3 ; **F.W.** 105.99; CAS [497-19-8];
Melting Point: 851.0°C; **Boiling Point:** 1600.0°C

Sodium Carbonate, Anhydrous

HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S495-500 |

≥99.5%; Carbonic Acid Disodium Salt, Soda Ash; Na_2CO_3 ;
F.W. 105.99; CAS [497-19-8]; **Melting Point:** 851°C;
Boiling Point: 1600°C; **Density:** 2.53g/mL
 Powder; Also meets ACS specifications

ChemAlert® Storage Code
GRAY

Sodium Carbonate, Anhydrous

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S263-500 |
| 1kg | Poly Bottle | S263-1 |
| 3kg | Poly Bottle | S263-3 |
| 10kg | Poly Pail | S263-10 |
| 50kg | Fiber Drum | S263-50 |

Powder; ≥99.5%; Soda Ash; Na_2CO_3 ; **F.W.** 105.99;
 CAS [497-19-8]; **Melting Point:** 851°C; **Boiling Point:** 1600°C;
Density: 2.53g/mL

ChemAlert® Storage Code
GRAY

Sodium Carbonate, Anhydrous

Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 10kg | Poly Pail | S261-10 |

Calcined; Soda Ash; Na_2CO_3 ; **F.W.** 105.99; CAS [497-19-8];
Melting Point: 851°C; **Boiling Point:** 1600°C;
Density: 2.53g/mL

ChemAlert® Storage Code
GRAY

Sodium Carbonate, Anhydrous



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA1086122 |

Powder; 99.997% (Metal Basis); Na_2CO_3 ; **F.W.** 105.99; CAS [497-19-8];
Melting Point: 851°C (1564°F); **Density:** 2.53g/cm³ at 20°C; White

Sodium Carbonate, Anhydrous

ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 12kg | Poly Pail | MSX03955 |

White Powder; 99.5% min.; Soda; Na_2CO_3 ; **F.W.** 105.99; CAS [497-19-8]

Sodium Carbonate Monohydrate

NF/FCC



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 10kg | Poly Pail | S636-10 |

Crystalline; Soda Crystals; $Na_2CO_3 \cdot H_2O$; **F.W.** 124;
 CAS [5968-11-6]; **Melting Point:** 851°C; **Density:** 2.25g/mL

ChemAlert® Storage Code
GRAY

Sodium Carbonate Monohydrate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | S262-3 |

Crystalline; ≥99.5%; $Na_2CO_3 \cdot H_2O$; **F.W.** 124; CAS [5968-11-6];
Melting Point: 851°C; **Density:** 2.25g/mL

ChemAlert® Storage Code
GRAY

Sodium Chlorate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | S268-500 |

Crystalline; NaClO₃; **F.W.** 106.44; CAS [7775-09-9];
Melting Point: 248° to 261°C (478.4° to 501.8°F);
Density: 2.49g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1495



Sodium Chlorate ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 100g | Plastic Bottle | AC44641-1000 |

99%; ClNaO₃; NaClO₃; **F.W.** 106.44; CAS [7775-09-9];
Melting Point: 248.0°C to 261.0°C; **Density:** 2.4900g/mL

Sodium Chloride USP/FCC/EP/BP/JP



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 500g | Poly Bottle | S642-500 |
| 2.5kg | Poly Bottle | S642-212 |
| 12kg | Poly Pail | S642-12 |
| 350 lb. | Poly Drum | S642-350LB |

Colorless to White Crystalline Granules; NaCl; **F.W.** 58.44;
CAS [7647-14-5]; **Melting Point:** 801°C (1474°F);
Boiling Point: 1461°C; **Density:** 2.17g/mL
This product is not intended for dialysis, parenteral or injectable use without further processing.



Sodium Chloride USP/FCC/EP/BP



| Quantity | Packaging | Cat. No. |
|----------|-------------|-------------|
| 500g | Poly Bottle | S641-500 |
| 2.5kg | Poly Bottle | S641-212 |
| 350 lb. | Poly Drum | S641P-350LB |

Colorless to White Crystalline Granules; Salt; NaCl; **F.W.** 58.44;
CAS [7647-14-5];



Sodium Chloride USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 500g | Poly Bottle | S640-500 |
| 3kg | Poly Bottle | S640-3 |
| 10kg | Poly Pail | S640-10 |
| 50kg | Fiber Drum | S640-50 |
| 350 lb. | Fiber Drum | S640-350LB |

Granular; Salt; NaCl; **F.W.** 58.44; CAS [7647-14-5];
Melting Point: 801°C (1474°F); **Boiling Point:** 1461°C;
Density: 2.17g/mL;



Sodium Chloride Suprapur™



| Quantity | Packaging | Cat. No. |
|----------|----------------|-------------|
| 500g | Plastic Bottle | M1064060500 |

Colorless Solid; 99.99%; NaCl; **F.W.** 58.44; CAS [7647-14-5];
Melting Point: 801°C (1474°F); **Boiling Point:** 1461°C (1013 hPa);
Density: 2.17g/cm³ (20°C); Sodium Chloride

Sodium Chloride Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 500g | Poly Bottle | S271-500 |
| 1kg | Poly Bottle | S271-1 |
| 3kg | Poly Bottle | S271-3 |
| 10kg | Poly Pail | S271-10 |
| 50kg | Fiber Drum | S271-50 |
| 350 lb. | Fiber Drum | S271-350LB |

Crystalline; ≥99.0%; Salt; NaCl; **F.W.** 58.44; CAS [7647-14-5];
Melting Point: 801°C (1474°F); **Boiling Point:** 1461°C;
Density: 2.17g/mL
Actual Lot Analysis is reported on label.



Sodium Chloride ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | MSX04201 |
| 2.5kg | Poly Bottle | MSX04203 |
| 12kg | Poly Pail | MSX04205 |

ClNa; NaCl; **F.W.** 58.44; CAS [7647-14-5]; **Melting Point:** 81°C;
Boiling Point: 1461°C (1013 hPa); **Density:** 2.17g/cm³ (20°C);
Certipure™, Secondary Reference Material For Argentometry

Sodium Chloride Certified Biological



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S671-500 |
| 3kg | Poly Bottle | S671-3 |
| 10kg | Poly Pail | S671-10 |

Crystalline; ≥99.0%; Salt; NaCl; **F.W.** 58.44; CAS [7647-14-5];
Melting Point: 801°C (1474°F); **Boiling Point:** 1461°C;
Density: 2.17g/mL



Sodium Chloride ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC42429-5000 |
| 1kg | Plastic Bottle | AC42429-0010 |

≥99%; ClNa; NaCl; **F.W.** 58.44; CAS [7647-14-5]; **Melting Point:** 801.0°C;
Boiling Point: 1461.0°C

Sodium Chloride BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | 02004045 |

Crystal; NaCl; **F.W.** 58.44; CAS [7647-14-5]
Meets ACS Reagent Chemical Requirements

Sodium Chloride



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA1086222 |

Crystalline; 99.999% (Metal Basis); ClNa; **F.W.** 58.44; CAS [7647-14-5];
Melting Point: 801°C (1474°F); **Boiling Point:** 1413°C (2575°F);
Density: 2.165g/cm³ at 20°C; White

Sodium Chlorite Technical Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 2kg | ---- | AA14265A3 |

White Flake/Powder; Nominally 80%; ClNaO_2 ; **FW.** 90.44; CAS [7758-19-2, 7775-09-9, 1310-73-2, 497-19-8, 7647-14-5, 7757-82-6]; **UN:** 1496; White

Sodium Cyanide Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | S2841-100 |
| 500g | Glass Bottle | S2841-500 |

Granular; NaCN; **FW.** 49.01; CAS [143-33-9]; **DOT Class 6.1:** Poison; **UN:** 1689

ChemAlert®
Storage Code
BLUE

Sodium Cyanoborohydride

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10g | Glass Bottle | AC16855-0100 |
| 50g | Glass Bottle | AC16855-0500 |

95%; Sodium Cyanotrihydroborate; CH_3BNNa ; NaBH_3CN ; **FW.** 62.84; CAS [25895-60-7]; **Melting Point:** >242.0°C; **UN:** 3134

ChemAlert®
Storage Code
RED

Sodium Dichromate Dihydrate Technical Grade

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S234-500 |
| 10kg | Poly Pail | S234-10 |

Granular; $\text{Na}_2\text{Cr}_2\text{O}_7 \cdot 2\text{H}_2\text{O}$; **FW.** 298; CAS [7789-12-0]; **Melting Point:** 357°C; **Boiling Point:** 400°C; **Density:** 2.35g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1479

ChemAlert®
Storage Code
YELLOW

Sodium Dodecyl Sulfate Ultrapure Bioreagent

J.T.Baker

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1kg | Poly Bottle | 02004082 |
| 2kg | Poly Pail | 02004084 |

SDS; $\text{CH}_3(\text{CH}_2)_{11}\text{OSO}_3\text{Na}$; **FW.** 288.38; CAS [151-21-3]; **Flash Point:** 170.00°C

Sodium Fluoride Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100g | Poly Bottle | S299-100 |
| 500g | Poly Bottle | S299-500 |
| 3kg | Poly Bottle | S299-3 |

Powder; ≥99%; NaF; **FW.** 41.99; CAS [7681-49-4]; **Melting Point:** 993°C; **Boiling Point:** 1704°C; **Density:** 2.78g/mL; **DOT Class 6.1:** Poison; **UN:** 1690

ChemAlert®
Storage Code
BLUE

Sodium Hexametaphosphate Technical Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1kg | ---- | AA14706A1 |
| 5kg | ---- | AA14706A7 |

White Granules; Sodium Metaphosphate; $\text{Na}_6\text{O}_{18}\text{P}_6$; **FW.** 611.77; CAS [10124-56-8]; **Melting Point:** 628°C (1162°F); White

Sodium Hexametaphosphate

M END HELLPORE

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | MSX05833 |

Granular; Hexasodium Metaphosphate, Hexasodium Salt; $(\text{NaPO}_3)_6$; **FW.** 611.8; CAS [10124-56-8]; White

Sodium Hydride, 60% Dispersion in Mineral Oil

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------------------|--------------|
| 2kg | Plastic Bag in Metal Can | AC33214-0020 |

HN₂; NaH; **FW.** 24.00; CAS [7646-69-7, 8042-47-5]; **Melting Point:** 800.0°C; **Density:** 1.2000g/mL; **UN:** 1427

Sodium Hydrosulfite Laboratory Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | S310-500 |

Powder; Sodium Dithionite; $\text{Na}_2\text{O}_4\text{S}_2$; **FW.** 174.10; CAS [7775-14-6]; **Melting Point:** 55°C; **Density:** 1.4g/mL; **DOT Class 4.2:** Spontaneously Combustible; **UN:** 1384

ChemAlert®
Storage Code
RED

Sodium Hydroxide ACS Reagent

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC42433-5000 |
| 2.5kg | Plastic Bottle | AC42433-0025 |

≥97%; Caustic Soda; HNaO; NaOH; **FW.** 40.00; CAS [1310-73-2]; **Melting Point:** 318.0°C; **Boiling Point:** 1390.0°C; **UN:** 1823

Sodium Hypochlorite

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5L | Plastic Bottle | AC41955-0025 |

ClNaO ; NaOCl; **FW.** 74.44; CAS [7681-52-9, 7732-18-5]; **Density:** 1.0830g/mL; **UN:** 1791

Sodium Hypochlorite

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA3336936 |
| 10kg | ---- | AA33369A9 |

Liquid; ClNaO ; **FW.** 74.44; CAS [7681-52-9]; **Density:** 1.2g/cm³ at 20°C; Light yellow

Sodium Iodate Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | S322-100 |

Powder; INaO_3 ; **FW.** 197.89; CAS [7681-55-2]; **Density:** 4.28g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1479

ChemAlert®
Storage Code
YELLOW

Sodium Iodide USP

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | S473-500 |

Granular; 99.0 to 101.5%; INa; **FW.** 149.89; CAS [7681-82-5]; **Melting Point:** 661°C; **Boiling Point:** 1300°C; **Density:** 3.67g/mL

ChemAlert®
Storage Code
GRAY

Sodium Iodide Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | S324-100 |
| 500g | Glass Bottle | S324-500 |

Crystalline; INa; **F.W.** 149.89; CAS [7681-82-5];
Melting Point: 661°C; **Boiling Point:** 1300°C; **Density:** 3.67g/mL



Sodium Iodide ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC41957-1000 |

INa; NaI; **F.W.** 149.89; CAS [7681-82-5]; **Melting Point:** 661°C;
Boiling Point: 1300°C; **Density:** 3.66g/mL

Sodium Iodide Pure



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 10kg | Plastic Bucket | AC20318-0100 |

≥99%; INa; NaI; **F.W.** 149.89; CAS [7681-82-5]; **Melting Point:** 661.0°C;
Boiling Point: 1300.0°C; **Density:** 3.6600g/mL

Sodium Metabisulfite Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | S244-500 |
| 3kg | Glass Bottle | S244-3 |

Powder; ≥97%; Sodium Pyrosulfite, Disodium Disulfite;
 $\text{Na}_2\text{S}_2\text{O}_5$; **F.W.** 190.11; CAS [7681-57-4]; **Melting Point:** 150°C;
Density: 1.4g/mL



Sodium Metaperiodate ACS Grade

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA4430922 |
| 500g | ---- | AA4430936 |

White Powder; 99.8 to 100.3%; Sodium periodate; INaO_4 ; **F.W.** 213.89;
CAS [7790-28-5]; **Melting Point:** 300°C (572°F);
Density: 3.86g/cm³ at 20°C; **UN:** 1479; White; 0.02%, Mn 3ppm

Sodium Metaperiodate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA1379836 |

Colorless Powder; 98%; Sodium Periodate; INaO_4 ; **F.W.** 213.89;
CAS [7790-28-5]; **Melting Point:** 300°C (572°F); **Density:** 4.174g/cm³;
UN: 1479; Colorless; Source of periodic acid, as an analytical reagent,
and as an oxidizing agent.

Sodium meta-Periodate BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | 02004172 |

NaIO_4 ; **F.W.** 213.89; CAS [7790-28-5]
Meets ACS Reagent Chemical Requirements

Sodium meta-Silicate Pentahydrate Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 3kg | Glass Bottle | S407-3 |

Crystalline; Sodium Silicate; $\text{Na}_2\text{SiO}_3 \cdot 5\text{H}_2\text{O}$; **F.W.** 212.15;
CAS [10213-79-3]; **Melting Point:** 72°C; **Density:** 1.75g/mL;
DOT Class 8: Corrosive; **UN:** 3253



Sodium Metatungstate Monohydrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250g | ---- | AA2253430 |
| 4 x 250g | ---- | AA2253456 |

White Powder; Sodium Tungstate (meta), Sodium Polytungstate;
 $\text{Na}_6\text{O}_{38}\text{W}_{12} \cdot \text{H}_2\text{O}$; **F.W.** 2986.13 (2968.12 anhy); CAS [12141-67-2];
Density: 5.47g/cm³; White

Sodium Molybdate Dihydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | S336-500 |
| 3kg | Glass Bottle | S336-3 |

Crystalline Powder; 99.5 to 103.0%; $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$;
F.W. 241.95; CAS [10102-40-6]; **Density:** 3.28g/mL



Sodium Molybdate(VI) Dihydrate ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 25g | Plastic Bottle | AC44636-0250 |

$\text{MoNa}_2\text{O}_7 \cdot 2\text{H}_2\text{O}$; $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$; **F.W.** 241.95; CAS [10102-40-6];
Density: 3.2800g/mL

Sodium Nitrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S343-500 |
| 3kg | Poly Bottle | S343-3 |

Crystalline; ≥99%; Chili Saltpeter, Soda Niter, Nitric Acid
Sodium Salt; NNaO_3 ; **F.W.** 84.99; CAS [7631-99-4];
Melting Point: 306°C;
Boiling Point: 380°C; **Density:** 2.26g/mL;
DOT Class 5.1: Oxidizer; **UN:** 1498



Sodium Nitrate Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 3kg | Glass Bottle | S342-3 |

Granular; NNaO_3 ; **F.W.** 84.99; CAS [7631-99-4];
Melting Point: 306°C; **Boiling Point:** 380°C;
Density: 2.26g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1498;



Sodium Nitrate ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC42434-5000 |

White Crystals; 99+%; NNaO_3 ; NaNO_3 ; **F.W.** 84.99; CAS [7631-99-4];
Melting Point: 306°C; **Boiling Point:** 380.0°C; **UN:** 1498

Sodium Nitrate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 25g | ---- | AA1087314 |

Powder; 99.999% (Metal Basis); NaNO_3 ; **F.W.** 84.99; CAS [7631-99-4];
Melting Point: 308°C (586°F); **Density:** 2.26g/cm³ at 20°C; **UN:** 1498

Sodium Nitrate ACS Grade, EP



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 12kg | Poly Pail w/Handles | MSX06657 |

White Powder or Colorless Crystals; 99.0% min.; Nitrate of Soda; NNaO_2 ; NaNO_2 ; **F.W.** 69.; CAS [7632-00-0];
Melting Point: 28°C (decomposition);
Boiling Point: 320°C (decomposition); **Density:** 2.1g/cm³ (20°C);
 EMSURE™, For Analysis

Sodium Persulfate



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC20202-5000 |
| 1kg | Plastic Bottle | AC20202-0010 |
| 5kg | Plastic Bottle | AC20202-0050 |

White to Yellowish Crystalline powder or Crystals; 98+%; Sodium Peroxydisulfate; $\text{Na}_2\text{O}_8\text{S}_2$; $\text{Na}_2\text{S}_2\text{O}_8$; **F.W.** 238.09; CAS [7775-27-1]; **Melting Point:** 100°C (212°F); **UN:** 1505

Sodium Nitroferricyanide Dihydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | S350-100 |

Crystalline; 99.0 to 102.0%; Sodium Nitroprusside Dihydrate; $\text{C}_5\text{FeN}_6\text{O}\cdot\text{Na}_2\cdot 2\text{H}_2\text{O}$; $\text{Na}_2\text{Fe}(\text{CN})_5(\text{NO})\cdot 2\text{H}_2\text{O}$; **F.W.** 297.95; CAS [13755-38-9]; **Density:** 1.72g/mL; **DOT Class 6.1:** Poison; **UN:** 2811



Sodium Phosphate, Dibasic ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC42437-5000 |

≥99%; Disodium hydrogen phosphate; $\text{HNa}_2\text{O}_4\text{P}$; Na_2HPO_4 ; **F.W.** 141.96; CAS [7558-79-4]

Sodium Perchlorate, Anhydrous



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 1kg | Plastic Bottle | MSX06921 |

F.W. 122.44; NaClO_4 ; Meets ACS Specifications; Meets Reagent Specifications for testing USP/NF monographs; CAS [7601-89-0]

Sodium Perchlorate Monohydrate HPLC Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | S490-100 |
| 500g | Glass Bottle | S490-500 |

$\text{NaClO}_4\cdot\text{H}_2\text{O}$; **F.W.** 140.46; CAS [7791-07-3]; **Melting Point:** 482°C; **Density:** 2.02g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1502



Sodium Phosphate, Dibasic, Anhydrous USP/FCC/EP



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | S379-212 |
| 12kg | Poly Pail | S379-12 |

Powder; Monohydrogen Sodium Phosphate, Disodium Hydrogen Phosphate; Na_2HPO_4 ; **F.W.** 141.96; CAS [7558-79-4]



Sodium Phosphate, Dibasic, Anhydrous USP



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S375-500 |
| 2.5kg | Poly Bottle | S375-212 |
| 12kg | Poly Pail | S375-12 |

Granular; Monohydrogen Sodium Phosphate, Disodium Hydrogen Phosphate; Na_2HPO_4 ; **F.W.** 141.96; CAS [7558-79-4]; **Melting Point:** 47.78°C; **Density:** 1.67g/mL



Sodium Peroxide Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 500g | Tin Can | S363-500 |

≥93.0%; Na_2O_2 ; **F.W.** 77.98; CAS [1313-60-6, 1310-73-2]; **Melting Point:** 460°C; **Density:** 2.8g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1504; Suitable for use in calorimetry.



Sodium Peroxydisulfate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 5kg | ---- | AA54100A7 |

Crystalline; 98%; Sodium Persulfate; $\text{Na}_2\text{S}_2\text{O}_8$; **F.W.** 238.10; CAS [7775-27-1]; **Density:** 2.40 g/mL

Sodium Persulfate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | 06114-500 |
| 1kg | Poly Bottle | 06114-1 |

White Crystalline Solid; ≥98.0%; Sodium Peroxydisulfate; $\text{Na}_2\text{S}_2\text{O}_8$; **F.W.** 238.09; CAS [7775-27-1]; **Melting Point:** 100°C (212°F); **Density:** 2.6g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1505



Sodium Phosphate, Dibasic, Anhydrous Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|------------|
| 500g | Glass Bottle | S374-500 |
| 1kg | Poly Bottle | S374-1 |
| 3kg | Glass Bottle | S374-3 |
| 50kg | Fiber Drum | S374-50 |
| 250 lb. | Fiber Drum | S374-250LB |

Powder or Granular; ≥99%; Monohydrogen Sodium Phosphate, Disodium Hydrogen Phosphate; Na_2HPO_4 ; **F.W.** 141.96; CAS [7558-79-4]; **Melting Point:** 47.78°C; **Density:** 1.67g/mL



Sodium Phosphate, Dibasic, Anhydrous Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | S393-3 |

Powder; Monohydrogen Sodium Phosphate, Disodium Hydrogen Phosphate; Na_2HPO_4 ; **F.W.** 141.96; CAS [7558-79-4]; **Melting Point:** 47.78°C; **Density:** 1.67g/mL



Sodium Phosphate, Dibasic, Anhydrous ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | MSX07205 |

Na_2HPO_4 ; **F.W.** 141.96; CAS [7558-79-4]

Sodium Phosphate, Dibasic, Anhydrous BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | 02004224 |
| 2.5kg | Poly Bottle | 02004225 |

Na₂HPO₄; **F.W.** 141.96; CAS [7558-79-4]
Meets ACS Reagent Chemical Requirements

Sodium Phosphate, Dibasic, Dihydrate USP/FCC/EP/BP



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S472-500 |
| 2.5kg | Poly Bottle | S472-212 |

White Crystals or Granules; Na₂HPO₄·2H₂O; **F.W.** 177.99;
CAS [10028-24-7]



Sodium Phosphate, Dibasic, Dodecahydrate Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC44725-5000 |
| 2.5kg | Plastic Bottle | AC44725-0025 |

99%; Disodium Hydrogen Phosphate Dodecahydrate; HNa₂O₄P·12H₂O;
F.W. 358.13; CAS [10039-32-4]; **Melting Point:** 35.0°C

Sodium Phosphate, Dibasic, Heptahydrate USP



| Quantity | Packaging | Cat. No. |
|---------------|-------------|----------|
| 3kg (6.6 lb.) | Poly Bottle | S471-3 |

Granular; Monohydrogen Sodium Phosphate, Disodium Hydrogen Phosphate; HNa₂O₄P·7H₂O; **F.W.** 268.07;
CAS [7782-85-6]; **Melting Point:** 48°C; **Density:** 1.68g/mL



Sodium Phosphate, Dibasic, Heptahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S373-500 |
| 3kg | Poly Bottle | S373-3 |

Crystalline; 98 to 102%; Monohydrogen Sodium Phosphate, Disodium Hydrogen Phosphate; HNa₂O₄P·7H₂O; **F.W.** 268.07; CAS [7782-85-6];
Melting Point: 48°C; **Density:** 1.68g/mL



Sodium Phosphate, Dibasic, Heptahydrate



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC20651-0025 |

≥99%; Disodium hydrogen phosphate heptahydrate; HNa₂O₄P·7H₂O;
Na₂HPO₄·7H₂O; **F.W.** 268.07; CAS [7782-85-6]; **Melting Point:** 48.0°C

Sodium Phosphate, Dibasic, Heptahydrate ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | MSX07153 |

Na₂HPO₄·7H₂O; **F.W.** 268.07; CAS [7782-85-6]

Sodium Phosphate, Monobasic, Dihydrate BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 2.5kg | Poly Bottle | 02004220 |

NaH₂PO₄·2H₂O; **F.W.** 155.99; CAS [13472-35-0];
Meets USP Requirements

Sodium Phosphate, Monobasic, Dihydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S381-500 |
| 3kg | Poly Bottle | S381-3 |

Crystalline; ≥99%; Monosodium Orthophosphate, Monosodium Phosphate, Sodium Acid Phosphate, Sodium Biphosphate, Sodium Dihydrogen Phosphate; H₂NaO₄P·2H₂O;
F.W. 156.01; CAS [13472-35-0]; **Melting Point:** 225°C



Sodium Phosphate, Monobasic, Monohydrate USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S468-500 |

Crystalline Granular; Monosodium Orthophosphate, Sodium Acid Phosphate, Sodium Biphosphate, Sodium Dihydrogen Phosphate; H₂O₄PNa·H₂O; **F.W.** 137.99; CAS [10049-21-5];
Melting Point: 100°C (212°F); **Boiling Point:** 203.89°C; **Density:** 2.04g/mL



Sodium Phosphate, Monobasic, Monohydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S369-500 |
| 1kg | Poly Bottle | S369-1 |
| 3kg | Poly Bottle | S369-3 |
| 50kg | Fiber Drum | S369-50 |

Crystalline; 98 to 102%; Monosodium Orthophosphate, Monosodium Phosphate, Sodium Acid Phosphate, Sodium Biphosphate, Sodium Dihydrogen Phosphate; H₂O₄PNa·H₂O;
F.W. 137.99; CAS [10049-21-5]; **Melting Point:** 100°C (212°F);
Boiling Point: 203.89°C; **Density:** 2.04g/mL



Sodium Phosphate, Monobasic, Monohydrate ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | MSX07101 |

NaH₂PO₄·H₂O; **F.W.** 137.99; CAS [10049-21-5]

Sodium Phosphate, Monobasic, Monohydrate USP



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 2.5kg | Poly Bottle | MK7774212 |

NaH₂PO₄·H₂O; **F.W.** 137.99; CAS [10049-21-5]

Sodium Phosphate, Tribasic, Dodecahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S377-500 |
| 3kg | Poly Bottle | S377-3 |
| 50kg | Fiber Drum | S377-50 |

Crystalline; 98 to 102%; Phosphoric Acid Trisodium Salt, Trisodium Phosphate; Na₃PO₄·12H₂O; **F.W.** 380.12;
CAS [10101-89-0]; **Melting Point:** 75°C; **Density:** 1.62g/mL



Sodium Phosphate, Tribasic, Dodecahydrate Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | S376-3 |
| 50kg | Fiber Drum | S376-50 |

Granular; 99 to 122%; Trisodium Phosphate; Na₃PO₄·12H₂O;
F.W. 380.12; CAS [10101-89-0]; **Melting Point:** 75°C;
Density: 1.62g/mL



Sodium Phosphate, Tribasic, Dodecahydrate ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 2.5kg | Glass Bottle | MSX07253 |

Colorless Crystalline; 98.0 to 102.0%;
Tri-Sodium Phosphate, Dodecahydrate; Na₃PO₄·12H₂O; **F.W.** 380.12;
CAS [10101-89-0]; For ACS analysis

Sodium Pyrophosphate Decahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S390-500 |
| 3kg | Poly Bottle | S390-3 |
| 10kg | Poly Pail | S390-10 |

Crystalline; 99 to 103%; Tetrasodium Pyrophosphate;
Na₄P₂O₇·10H₂O; **F.W.** 446.06; CAS [13472-36-1];
Melting Point: 80°C; **Boiling Point:** 93.8°C; **Density:** 1.8g/mL



Sodium Pyrophosphate Decahydrate ACS Grade

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA3338536 |

Crystalline; 99.0 to 103.0%; Sodium Pyrophosphate, Tetrasodium
Pyrophosphate; Na₄O₇P₂·10H₂O; **F.W.** 446.06 (265.90 anhy);
CAS [13472-36-1]; **Melting Point:** 79.5°C; **Density:** 1.82 g/mL

Sodium Sulfate



| Quantity | Packaging | Cat. No. |
|----------|------------------|------------|
| 500g | Glass Bottle | MSX0760E1 |
| 45kg | Fiber Drum w/Bag | MSX0760E20 |

Granular; Na₂SO₄; **F.W.** 142.04; **Melting Point:** 887.9°C (1630.2°F);
10-60 Mesh

Sodium Sulfate

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500g | Plastic Bottle | AC21875-5000 |

≥99%; Na₂O₃S; Na₂SO₄; **F.W.** 142.04; CAS [7757-82-6];
Melting Point: 884.0°C; **Boiling Point:** >1700.0°C

Sodium Sulfate ACS Reagent

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 1kg | Plastic Bottle | AC35425-0010 |

≥99%; Na₂O₃S; Na₂SO₄; **F.W.** 142.04; CAS [7757-82-6];
Melting Point: 884.0°C; **Boiling Point:** >1700.0°C; 10 to 60 Mesh (80%)

Sodium Sulfate ULTRA RESI-ANALYZED™, ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------------------------|----------|
| 500g | Wide Mouth Amber Glass Bottle | 02004233 |

Granular; Na₂SO₄;
F.W. 142.04; CAS [7757-82-6]; 12-60 Mesh; 5.2 to 9.2

Sodium Sulfate, Anhydrous USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 500g | Poly Bottle | S429-500 |
| 2.5kg | Poly Bottle | S429-212 |
| 12kg | Poly Pail | S429-12 |
| 250 lb. | Fiber Drum | S429-250LB |

Powder; Na₂SO₄; **F.W.** 142.04; CAS [7757-82-6];
Melting Point: 884° to 888°C (1623.2° to 1630.4°F);
Boiling Point: 1700°C; **Density:** 2.68g/mL



Sodium Sulfate, Anhydrous Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|------------|
| 500g | Glass Bottle | S421-500 |
| 1kg | Poly Bottle | S421-1 |
| 3kg | Glass Bottle | S421-3 |
| 10kg | Poly Pail | S421-10 |
| 50kg | Fiber Drum | S421-50 |
| 300 lb. | Fiber Drum | S421-300LB |

Granular; ≥99.0%; Na₂SO₄; **F.W.** 142.04; CAS [7757-82-6];
Melting Point: 884° to 888°C (1623.2° to 1630.4°F);
Boiling Point: 1700°C; **Density:** 2.68g/mL



Sodium Sulfate, Anhydrous Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|------------|
| 500g | Glass Bottle | S415-500 |
| 1kg | Poly Bottle | S415-1 |
| 2.5kg | Glass Bottle | S415-212 |
| 10kg | Poly Pail | S415-10S |
| 200 lb. | Fiber Drum | S415-200LB |

Granular; ≥99.0%; Na₂SO₄; **F.W.** 142.04; CAS [7757-82-6];
Melting Point: 884° to 888°C (1623.2° to 1630.4°F);
Boiling Point: 1700°C; **Density:** 2.68g/mL
10-60 Mesh; Suitable for pesticide residue analysis



Sodium Sulfate, Anhydrous



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 3kg | Glass Bottle | S420-3 |
| 10kg | Poly Pail | S420-10 |

Na₂SO₄; **F.W.** 142.04; CAS [7757-82-6];
Melting Point: 884° to 888°C (623.2° to 1630.4°F);
Boiling Point: 1700°C; **Density:** 2.68g/mL;
Suitable for Kjeldahl analysis.



Sodium Sulfate, Anhydrous



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | MSX07601 |
| 2.5kg | Glass Bottle | MSX07603 |

White Granules; 99.0% min.; Na₂SO₄; **F.W.** 142.04; CAS [7757-82-6];
CAS [7757-82-6]

Sodium Sulfate, Anhydrous ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | MSX07611 |

Powder; Na₂SO₄; **F.W.** 142.04; **Melting Point:** 887.9°C(1630.2°F)

Sodium Sulfate, Anhydrous



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 12kg | Poly Pail | MSX07605 |

White Granules; 99.0% min.; Na₂SO₄; F.W. 142.04; CAS [7757-82-6]

Sodium Sulfate Decahydrate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | S419-500 |

Crystalline; Na₂SO₄·10H₂O; F.W. 322.19; CAS [7727-73-3];
Melting Point: 32.4°C; **Density:** 1.46g/mL



Sodium Sulfide

Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 2.5kg | Glass Bottle | S426-212 |

Flakes; Na₂S; F.W. 78.04; CAS [1313-82-2, 7732-18-5];
Melting Point: 91.67°C; **Boiling Point:** 174.44°C;
Density: 1.86g/mL; **DOT Class 8:** Corrosive; **UN:** 1849



Sodium Sulfide, Anhydrous

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 5g | ---- | AA6512206 |
| 25g | ---- | AA6512214 |

Granular; Na₂S; F.W. 78.04; CAS [1313-82-2]; **Melting Point:** 950°C;
Density: 1.856 g/mL

Sodium Sulfide Nonahydrate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Poly Bottle | S425-500 |
| 2.5kg | Glass Bottle | S425-212 |

Crystalline; ≥98.0%; Sodium Monosulfide; Na₂S·9H₂O;
F.W. 240.18; CAS [1313-84-4]; **Melting Point:** 50°C;
Boiling Point: 920°C; **Density:** 1.43g/mL;
DOT Class 8: Corrosive; **UN:** 1849



Sodium Sulfite, Anhydrous

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | S430-500 |
| 3kg | Glass Bottle | S430-3 |
| 10kg | Poly Pail | S430-10 |

Crystalline; ≥98%; Na₂O₃S; F.W. 126.04; CAS [7757-83-7];
Melting Point: >500°C (decom); **Density:** 2.63g/mL



Sodium Sulfite, Anhydrous

Low Phosphate



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | S447-500 |

Crystalline; ≥98%; Na₂O₃S; F.W. 126.04; CAS [7757-83-7];
Melting Point: >500°C (decom); **Density:** 2.63g/mL
Also meets ACS specifications



Sodium Tetraborate Decahydrate

NF



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S246-500 |
| 2.5kg | Poly Pail | S246-212 |
| 12kg | Fiber Drum | S246-12 |

Powder or Granular; 99 to 105%; Sodium Baborate, Sodium Pyroborate, Borax; B₄Na₂O₇·10H₂O; F.W. 381.37; CAS [1303-96-4]; **Melting Point:** 741°C;
Boiling Point: 1575°C; **Density:** 1.73g/mL



Sodium Tetraborate Decahydrate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S248-500 |
| 3kg | Poly Bottle | S248-3 |
| 10kg | Poly Pail | S248-10 |

Crystalline; 99.5 to 105.0%;
Sodium Baborate, Sodium Pyroborate, Borax; B₄Na₂O₇·10H₂O;
F.W. 381.37; CAS [1303-96-4]; **Melting Point:** 741°C;
Boiling Point: 1575°C; **Density:** 1.73g/mL



Sodium Tetraborate Decahydrate

For Analysis



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10kg | Plastic Drum | AC20595-0100 |

99.5%; Borax, Sodium Borate Decahydrate; B₄Na₂O₇·10H₂O;
Na₂B₄O₇·10H₂O; F.W. 381.36; CAS [1303-96-4];
Melting Point: 75.0°C

Sodium Thiocyanate

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | S441-500 |

Crystalline; ≥98%; Sodium Rhodanate, Sodium Sulfocyanate, Thiocyanic Acid Sodium Salt, Sodium Isothiocyanate;
NaSCN; F.W. 81.07; CAS [540-72-7]; **Melting Point:** 287°C



Sodium Thiosulfate



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 1L | Plastic Bottle | AC12427-0010 |
| 2.5L | Plastic Bottle | AC12427-0025 |

Na₂O₃S₂; Na₂S₂O₃; F.W. 158.11; CAS [7772-98-7, 7732-18-5]

Sodium Thiosulfate

USP/FCC



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S474-500 |
| 3kg | Poly Bottle | S474-3 |

Crystalline; Na₂O₃S₂·5H₂O; F.W. 248.19; CAS [10102-17-7];
Melting Point: 48.5°C; **Density:** 1.73g/mL



Sodium Thiosulfate, Anhydrous



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 1kg | Plastic Bottle | AC45062-0010 |
| 5kg | Plastic Bottle | AC45062-0050 |

99%; Na₂O₃S₂; Na₂S₂O₃; F.W. 158.10; CAS [7772-98-7];
Melting Point: 48.0°C

Sodium Thiosulfate, Anhydrous Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S446-500 |
| 3kg | Poly Bottle | S446-3 |

≥98%; Sodium Hyposulfite; Na₂O₃S₂; F.W. 158.11;
CAS [7772-98-7]; **Melting Point:** 43°C; **Density:** 1.66g/mL



Sodium Thiosulfate Pentahydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | S445-500 |
| 3kg | Poly Bottle | S445-3 |
| 10kg | Poly Pail | S445-10 |

Crystalline; 99.5 to 101.0%; Na₂O₃S₂·5H₂O; F.W. 248.19;
CAS [10102-17-7]; **Melting Point:** 48.5°C; **Density:** 1.73g/mL



Stannous Chloride Dihydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100g | Poly Bottle | T142-100 |
| 500g | Poly Bottle | T142-500 |
| 3kg | Poly Bottle | T142-3 |

Crystalline; 98 to 103%; Tin(II) Chloride Dihydrate; SnCl₂·2H₂O;
F.W. 225.65; CAS [10025-69-1];
Melting Point: 37° to 38°C (98.6° to 100.4°F); **Density:** 2.7g/mL;
DOT Class 8: Corrosive; **UN:** 1759
Suitable for mercury determination



Stannous Chloride Dihydrate BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | 02004317 |

Crystal; SnCl₂·2H₂O; F.W. 225.65; CAS [10025-69-1]
Meets ACS Reagent Chemical Requirements

Stannous Sulfate Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | T154-500 |

Crystalline; Tin(II) Sulfate; O₃SSn; F.W. 214.77;
CAS [7488-55-3]; **Melting Point:** 360°C (680°F);
Density: 3.95g/mL



Strontium Nitrate, Anhydrous Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | S549-500 |

Crystalline; ≥99%; Sr(NO₃)₂; F.W. 211.63; CAS [10042-76-9];
Melting Point: 570°C; **Boiling Point:** 645°C;
DOT Class 5.1: Oxidizer; **UN:** 1507



Talc Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | T4-500 |
| 10kg | Poly Pail | T4-10 |

Powder; Soapstone, Talcum; MgO₃SiO₂H₂O;
CAS [14807-96-6, 14808-60-7]; **Melting Point:** 800°C;
Density: 2.58 to 2.83 g/mL



Terbium(III) Nitrate Hexahydrate



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 10g | Plastic Bottle | AC29579-0100 |

≥99.99%; N₃O₉Tb₃H₂O; Tb(NO₃)₃·6H₂O; F.W. 453.02; CAS [13451-19-9];
UN: 1477

Tetrachloroauric Acid Trihydrate Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1g | Glass Vial | G54-1 |
| 5g | Amber Glass Bottle | G54-5 |

Crystalline; Chloroauric Acid; HAuCl₄·3H₂O; F.W. 393.83;
CAS [16961-25-4]; **Melting Point:** 254°C; **Density:** 3.9g/mL



Thionyl Chloride



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 50g | ---- | AA4186818 |
| 500g | ---- | AA4186836 |

Liquid; >99%; Sulfurous Oxychloride; SOCl₂; F.W. 118.97;
CAS [7719-09-7]; **Melting Point:** -104.5°C; **Boiling Point:** 76°C;
Density: 1.638 g/mL

Tin(II) Chloride, Anhydrous



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 250g | ---- | AA4196030 |
| 1kg | ---- | AA41960A1 |

Crystalline; 99% min; Stannous Chloride; SnCl₂; F.W. 189.62;
CAS [7772-99-8]; **Melting Point:** 247°C; **Boiling Point:** 652°C;
Density: 3.95 g/mL

Titanium(IV) Oxide



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA3995336 |

Powder; 99.9% (Metal Basis); TiO₂; F.W. 79.9; CAS [1317-70-0];
Density: 3.9g/mL

Titanium (IV) Oxide, Anhydrous Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | T315-500 |

Powder; Titanium Dioxide; TiO₂; F.W. 79.87; CAS [13463-67-7];
Melting Point: 1855°C; **Boiling Point:** 2900°C;
Density: 3.84g/mL



Trisodium Citrate Dihydrate ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500g | ---- | AA3643936 |
| 2kg | ---- | AA36439A3 |

Crystalline; 99.0%; Na₃C₆H₅O₇·2H₂O; F.W. 294.10 (258.07 anhy);
CAS [6132-04-3]; **Melting Point:** 150°C

Vanadium(IV) Sulfate Oxide Hydrate



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 50g | ---- | AA1109018 |

Lumps; 99.9% (Metal Basis); Vanadium Oxy sulfate Hydrate;
VO₂·xH₂O; F.W. 163; CAS [123334-20-3]; **Density:** 2.5;
UN: 2931

Zinc Acetate Dihydrate Certified

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | Z20-500 |

Crystalline; Acetic Acid Zinc Salt; $Zn(CH_3COO)_2 \cdot 2H_2O$;
 $Zn(C_2H_3O_2)_2 \cdot 2H_2O$; **F.W.** 219.53; CAS [5970-45-6];
Melting Point: 100°C (212°F); **Density:** 1.84g/mL

ChemAlert®
Storage Code
GRAY

Zinc Chloride Technical Grade

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 3kg | Poly Bottle | Z31-3 |

Powder; $ZnCl_2$; **F.W.** 136.3; CAS [7646-85-7];
Melting Point: 293°C; **Boiling Point:** 732°C;
Density: 2.91g/mL; **DOT Class 8:** Corrosive; **UN:** 2331

ChemAlert®
Storage Code
WHITE

Zinc Chloride Extra Pure

ACRÖS
ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10kg | Plastic Drum | AC19684-0100 |

≥98%; Cl_2Zn ; $ZnCl_2$; **F.W.** 136.29; CAS [7646-85-7];
Melting Point: 293.0°C; **Boiling Point:** 732.0°C; **UN:** 2331

Zinc Chloride, Anhydrous

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA8790022 |

Lumps; 99.99% (Metal Basis); Cl_2Zn ; **F.W.** 136.28; CAS [7646-85-7];
Melting Point: 290°C; **Boiling Point:** 732°C; **Density:** 2.91g/mL

Zinc Nitrate Hexahydrate Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | Z45-500 |

Crystalline; $Zn(NO_3)_2 \cdot 6H_2O$; **F.W.** 297.49; CAS [10196-18-6];
Melting Point: 36.4°C; **Density:** 2.07g/mL;
DOT Class 5.1: Oxidizer; **UN:** 1514

ChemAlert®
Storage Code
YELLOW

Zinc Oxide Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | Z52-500 |
| 10kg | Poly Pail | Z52-10 |

Powder; ≥99.0%; ZnO ; **F.W.** 81.41; CAS [1314-13-2];
Melting Point: 1975°C; **Density:** 5.6g/mL

ChemAlert®
Storage Code
GRAY

Zinc Sulfate Heptahydrate USP/FCC

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | Z76-500 |
| 3kg | Poly Bottle | Z76-3 |

$ZnSO_4 \cdot 7H_2O$; **F.W.** 287.56; CAS [7446-20-0];
Melting Point: 100°C (212°F); **Density:** 3.54g/mL

ChemAlert®
Storage Code
GRAY

Zinc Sulfate Heptahydrate Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | Z68-500 |
| 3kg | Poly Bottle | Z68-3 |

Crystalline; 99 to 103%; Salt of Vitriol, White Vitriol;
 $ZnSO_4 \cdot 7H_2O$; **F.W.** 287.58; CAS [7446-20-0];
Melting Point: 100°C (212°F); **Density:** 3.54g/mL

ChemAlert®
Storage Code
GRAY

Zinc Tetrafluoroborate

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 50g | ---- | AA8512418 |

Powder; $Zn(BF_4)_2 \cdot xH_2O$; **F.W.** 238.98 (anhydrous); CAS [27860-83-9];
UN: 3260

Zirconium Dinitrate Oxide Hydrate

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100g | ---- | AA4322422 |

Crystalline; 99.9% (Metal Basis)
 Zirconyl nitrate, Zirconium oxynitrate; $ZrO(NO_3)_2 \cdot xH_2O$;
 CAS [14985-18-3]

Zirconium(IV) Oxide

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 5kg | ---- | AA11395A7 |

Powder; ≥99% (Metal Basis); Zirconium Dioxide; ZrO_2 ;
F.W.: 123.22; CAS [1314-23-4]; **Melting Point:** 2700°C;
Boiling Point: 5000°C; **Density:** 5.89; -325 Mesh

Zirconium Oxide, Anhydrous Laboratory Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500g | Glass Bottle | Z83-500 |

Powder; Zirconium Dioxide; ZrO_2 ; **F.W.** 123.22;
 CAS [1314-23-4]; **Melting Point:** >2500°C; **C.I.** 77990

ChemAlert®
Storage Code
GRAY



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Borate Buffer



| Quantity | Packaging | Cat. No. |
|----------|---------------------|--------------|
| 4L | Poly Natural Bottle | 10401 |

Clear Colorless Liquid; CAS: [7732-18-5, 1303-96-4, 1310-73-2]; Ammonia and Organic Nitrogen; **pH:** 9.5; Solubility: Infinite

BufferPac™ Color-Coded Solutions

Certified Standard



| Quantity | Packaging | Cat. No. |
|-----------|-------------|--------------|
| 3 x 500mL | Poly Bottle | SB105 |

CAS: [50-00-0]; **Melting Point:** 0°C (32°F); Pack contains one each: SB101-500, **pH:** 4.00 (Red), SB107-500, **pH:** 7.00 (Yellow), SB115-500, **pH:** 10.00 (Blue).



Buffer Solution, TISAB



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------------|
| 4L | Poly Bottle | SB175-4 |

CAS: [7647-14-5, 127-09-3, 482-54-2, 9003-39-8, 52-51-7]; For the determination of fluoride ion concentration by fluoride ion electrode. Total Ionic Strength Adjustment Buffer; **pH:** 5.4 to 5.6 (at 25°C); Soluble in water; Contains 1,2-Cyclohexylene Dinitrotetraacetic Acid to prevent Aluminum interference.



Buffer Solution, Total Ionic Strength Adjustment Buffer (TISAB II)



| Quantity | Packaging | Cat. No. |
|----------|---------------------|---------------|
| 1L | Poly Natural Bottle | 867032 |
| 4L | Poly Natural Bottle | 86701 |
| 10L | Cubitainer™ | 867025 |
| 20L | Cubitainer™ | 86705 |

CAS: [7732-18-5, 1310-73-2, 64-19-7, 7647-14-5, 13291-61-7]; APHA/EPA for Fluoride; With CDTA

Buffer Solution, pH 1.00

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------------|
| 500mL | Poly Bottle | SB140-500 |

CAS: [7447-40-7, 7647-01-0, 50-00-0, 67-56-1, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 0.7 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 1789; Traceable to NIST™; **pH:** 1.00 (at 25°C); Soluble in water



Buffer Solution, pH 1.00 at 25°C

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------------|
| 500mL | Poly Bottle | LC121801 |

Liquid; KCl; **FW:** 74.55; CAS: [7732-18-5, 7447-40-7, 7647-01-0]; **Density:** 1g/mL; **DOT Class 8:** Corrosive; **UN:** 1789; Clear, colorless solution; **pH:** 1.00 ± 0.02; Soluble in water

Buffer Solution, pH 1.68 at 25°C

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------------|
| 500mL | Poly Bottle | LC122101 |

Liquid; H₂CO₃; **FW:** 90.04; CAS: [7732-18-5, 6153-56-6, 1310-58-3]; **Density:** 1g/mL; Clear, colorless solution; **pH:** 1.68 ± 0.01; Soluble in water

Buffer Solution, pH 2.00

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------------|
| 500mL | Poly Bottle | SB96-500 |
| 1L | Poly Bottle | SB96-1 |
| 20L | PolyPac™ | SB96-20 |

CAS: [7447-40-7, 7647-01-0, 50-00-0, 67-56-1, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 0.7 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 1789; Traceable to NIST™; **pH:** 2.00 (at 25°C); Soluble in water



Buffer Solution, pH 2.0 at 25°C

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------------|
| 1L | Poly Bottle | LC122202 |

Liquid; KCl; **FW:** 74.55; CAS: [7732-18-5, 7447-40-7, 7647-01-0]; **Density:** 1g/mL; Clear, colorless solution; **pH:** 2.00 ± 0.01; Soluble in water

Buffer Standard, pH 2



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-------------------|
| 500mL | Triple-leached LDPE Bottle | PHBUFF2500 |

NIST™ Traceable Certificate of Analysis accredited to ISO/IEC 17025 and ISO/IEC Guide 34, Safety Data Sheet. Inorganic Standard manufactured for AA, ICP, ICP/MS, IC, XRF, and other analytical instrumentation. Up to 68 elements are scanned with found values for ICP and ICP-MS standards. The found value of the trace metallic impurities is reported on the Certificate of Analysis.

Buffer Solution, pH 3.00

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------------|
| 500mL | Poly Bottle | SB97-500 |
| 20L | PolyPac™ | SB97-20 |

CAS: [877-24-7, 7647-01-0, 50-00-0, 67-56-1, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 0.7g/mL; Traceable to NIST™. **pH:** 2.98 to 3.02 (at 25°C); Soluble in water



Buffer Solution, pH 3.00 at 25°C

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------------|
| 500mL | Poly Bottle | LC122501 |

Liquid; KHC₈H₄O₆; **FW:** 204.23; CAS: [7732-18-5, 877-24-7, 7647-01-0, 50-00-0, 67-56-1]; **Density:** 1g/mL; Clear, colorless solution; **pH:** 3.00 ± 0.01; Soluble in water

Buffer Standard, pH 3



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-------------------|
| 500mL | Triple-leached LDPE Bottle | PHBUFF3500 |

NIST™ Traceable Certificate of Analysis accredited to ISO/IEC 17025 and ISO/IEC Guide 34, Safety Data Sheet. Inorganic Standard manufactured for AA, ICP, ICP/MS, IC, XRF, and other analytical instrumentation. Up to 68 elements are scanned with found values for ICP and ICP-MS standards. The found value of the trace metallic impurities is reported on the Certificate of Analysis.

Buffer Solution, pH 4.00, Color-Coded Red Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SB101-500 |
| 4L | Poly Bottle | SB101-4 |
| 20L | PolyPac™ | SB101-20 |

CAS: [50-00-0, 67-56-1, 877-24-7, 7732-18-5, 16423-68-0];

Melting Point: 0°C (32°F); **Density:** 0.7 (Water = 1.0);

Traceable to NIST™; **pH:** 3.99 to 4.01 (at 25°C);

Soluble in water; pH/temperature conversions given on label.



Buffer, Precision Reference Standard, pH 4.000



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | 150216 |

CAS: [877-24-7]; **pH:** 4.000 ± 0.002 (Color-coded Red)

Buffer, Reference Standard, pH 4.00



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 1L | Plastic Bottle | 150132 |
| 10L | Cubitainer™ | 150125 |
| 20L | Cubitainer™ | 15015 |

CAS: [7732-18-5, 877-24-7]; **pH:** 4.00 ± 0.01 at 25°C (Color-coded Red)

Buffer Solution, pH 4.0 at 25°C Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC122801 |
| 1L | Poly Bottle | LC122802 |
| 4L | Poly Bottle | LC122804 |
| 10L | Cubitainer™ | LC122806 |
| 20L | Cubitainer™ | LC122805 |

Liquid; $\text{KHC}_8\text{H}_4\text{O}_6$; **FW:** 204.23;

CAS: [7732-18-5, 877-24-7, 50-00-0, 67-56-1]; **Density:** 1g/mL;

Clear, red solution; Color-coded Red; **pH:** 4.00 to 4.01; Soluble in water

Buffer, pH 4.0



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | MBX16281 |

Mixture (Potassium Hydrogen Phthalate)

Buffer Solution, pH 4.00 Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | SB98-500 |
| 1L | Poly Bottle | SB98-1 |
| 10L | PolyPac™ | SB98-10 |
| 20L | PolyPac™ | SB98-20 |

CAS: [877-24-7, 7732-18-5, 50-00-0, 67-56-1]; **Density:** 1.01g/mL;

Traceable to NIST™; **pH Range:** 3.99 to 4.01 (at 25°C);

Soluble in water



Buffer Solution, pH 4.0 at 25°C Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC122701 |
| 4L | Poly Bottle | LC122704 |
| 20L | Cubitainer™ | LC122705 |

Liquid; $\text{KHC}_8\text{H}_4\text{O}_6$; **FW:** 204.23;

CAS: [7732-18-5, 877-24-7, 50-00-0, 67-56-1]; **Density:** 1g/mL;

Clear, colorless solution; **pH:** 4.00 to 4.01; Soluble in water

Buffer Solution, pH 4



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500mL | Plastic Bottle | AC38383-5000 |

CAS: [877-24-7, 7732-18-5, 7487-94-7]; Solubility in water: miscible.

Buffer Standard, pH 4



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------|
| 500mL | Triple-leached LDPE Bottle | PHBUFF4500 |

NIST™ Traceable Certificate of Analysis accredited to ISO/IEC 17025 and ISO/IEC Guide 34, Safety Data Sheet Inorganic Standard manufactured for AA, ICP, ICP/MS, IC, XRF, and other analytical instrumentation.

Up to 68 elements are scanned with found values for ICP and ICP-MS standards. The found value of the trace metallic impurities is reported on the Certificate of Analysis.

Buffer Concentrate, pH 4.00 Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | SB99-500 |
| 1L | Poly Bottle | SB99-1 |

Concentrate; CAS: [877-24-7, 50-00-0, 67-56-1, 7732-18-5];

Melting Point: 0°C (32°F); **Density:** 0.7g/mL;

Traceable to NIST™; **pH range:** 3.98 to 4.02 (at 25°C);

Soluble in water



Buffer Solution (Acetate), pH 4.01 Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SB85-1 |

Chlorine Titrimeter Reagent;

CAS: [64-19-7, 127-09-3, 50-00-0, 67-56-1, 7732-18-5];

Density: 1g/mL; Traceable to NIST™; **pH:** 3.98 to 4.02 (at 25°C)



Buffer Solution, pH 4.64 Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SB100-1 |

CAS: [64-19-7, 6131-90-4, 50-00-0, 67-56-1, 7732-18-5];

Melting Point: 0°C (32°F); **Density:** 1g/mL; Traceable to NIST™;

pH range: 4.61 to 4.65 (at 25°C)



Buffer Solution, pH 5.00 Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SB102-500 |
| 1L | Poly Bottle | SB102-1 |

CAS: [877-24-7, 1310-73-2, 7732-18-5]; **Melting Point:** 0°C

(32°F); Traceable to NIST™; **pH range:** 4.99 to 5.01 (at 25°C)



Buffer Solution, pH 5.00 at 25°C Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC123001 |

Liquid; $\text{KHC}_8\text{H}_4\text{O}_4$; **FW.** 204.23; **CAS:** [7732-18-5, 877-24-7, 1310-73-2, 50-00-0, 67-56-1]; **Density:** 1g/mL; Clear, colorless solution; **pH:** 5.00 ± 0.01; Soluble in water

Buffer Solution, pH 6.86 at 25°C Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC123501 |
| 4L | Poly Bottle | LC123504 |

Liquid; KH_2PO_4 ; **FW.** 136.09; **CAS:** [7732-18-5, 7778-77-0, 1310-73-2]; Clear, colorless solution; **pH:** 6.86 ± 0.01; Soluble in water

Buffer Standard, pH 5



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 500mL | Triple-leached LDPE Bottle | PHBUFF500 |

NIST™ Traceable Certificate of Analysis accredited to ISO/IEC 17025 and ISO/IEC Guide 34, Safety Data Sheet
Inorganic Standard manufactured for AA, ICP, ICP/MS, IC, XRF, and other analytical instrumentation.
Up to 68 elements are scanned with found values for ICP and ICP-MS standards. The found value of the trace metallic impurities is reported on the Certificate of Analysis.

Buffer Solution, pH 7.00, Color-Coded Yellow Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SB107-500 |
| 4L | Poly Bottle | SB107-4 |
| 20L | PolyPac™ | SB107-20 |

CAS: [7778-77-0, 1310-73-2, 7732-18-5, 1934-21-0];
Melting Point: 0°C (32°F); **Density:** 1g/mL;
Traceable to NIST™; **pH Range:** 6.99 to 7.01 (at 25°C);
Soluble in water; Potassium Phosphate Monobasic/Sodium Hydroxide. pH/temperature conversions given on label.



Buffer Solution, pH 6.00 Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SB104-500 |
| 1L | Poly Bottle | SB104-1 |
| 20L | PolyPac™ | SB104-20 |

CAS: [7778-77-0, 7732-18-5, 1310-73-2];
Melting Point: 0°C (32°F); **Density:** 0.7g/mL Traceable to NIST™; **pH Range:** 5.99 to 6.01 (at 25°C); Soluble in water



Buffer, Precision Reference Standard, pH 7.000



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 500mL | Plastic Bottle | 155216 |

Color-coded Yellow; **pH:** 7.000 ± 0.002 at 25°C

Buffer Solution, pH 6.00 at 25°C Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC123301 |
| 4L | Poly Bottle | LC123304 |

Liquid; KH_2PO_4 ; **FW.** 136.09; **CAS:** [7732-18-5, 7778-77-0, 1310-73-2]; Clear, colorless solution; **pH:** 6.00 ± 0.01; Soluble in water

Buffer, Reference Standard, pH 7.00



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 500mL | Plastic Bottle | 155116 |
| 1L | Plastic Bottle | 155132 |
| 4L | Plastic Bottle | 15511 |
| 4L | Cubitainer™ | 15511CT |
| 10L | Cubitainer™ | 155125 |
| 20L | Cubitainer™ | 15515 |

CAS: [7732-18-5, 7558-79-4, 7778-77-0]; **pH:** 7.00 ± 0.01 at 25°C (Color-coded Yellow)

Buffer Standard, pH 6



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------|
| 500mL | Triple-leached LDPE Bottle | PHBUFF6500 |

NIST™ Traceable Certificate of Analysis accredited to ISO/IEC 17025 and ISO/IEC Guide 34, Safety Data Sheet;
Inorganic Standard manufactured for AA, ICP, ICP/MS, IC, XRF, and other analytical instrumentation.
Up to 68 elements are scanned with found values for ICP and ICP-MS standards. The found value of the trace metallic impurities is reported on the Certificate of Analysis.

Buffer Solution, pH 7.00 at 25°C Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC123801 |
| 1L | Poly Bottle | LC123802 |
| 4L | Poly Bottle | LC123804 |
| 10L | Cubitainer™ | LC123806 |
| 20L | Cubitainer™ | LC123805 |

Liquid; KH_2PO_4 ; **FW.** 136.09; **CAS:** [7732-18-5, 7778-77-0, 1310-73-2]; Clear, yellow solution; Color-coded Yellow; **pH:** 7.00 ± 0.01; Soluble in water

Buffer Solution, pH 6.00 Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SB106-500 |

Concentrate; **CAS:** [7558-80-7, 1310-73-2, 50-00-0, 67-56-1, 7732-18-5]; **Melting Point:** 0°C (32°F);
Traceable to NIST™; Potassium Phosphate Monobasic/Sodium Hydroxide. pH is 6.00 ± 0.02 at 25°C when one volume is diluted with nine volumes of distilled water.



Buffer Solution, pH 7.00 Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SB108-500 |
| 1L | Poly Bottle | SB108-1 |
| 10L | PolyPac™ | SB108-10 |
| 20L | PolyPac™ | SB108-20 |

Chlorine Titrimeter Reagent; **CAS:** [7778-77-0, 1310-73-2, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL;
Traceable to NIST.; **pH:** 6.99 to 7.01 (at 25°C); Soluble in water; Potassium Phosphate Monobasic/Sodium Hydroxide.



Buffer Solution, pH 7.00 ± 0.01



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | MBX16321 |

Liquid; Mixture (Phosphate); CAS: [7558-79-4]; Yellow, clear

Buffer Solution, pH 7.00 at 25°C

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC123701 |
| 4L | Poly Bottle | LC123704 |
| 20L | Cubitainer™ | LC123705 |

Liquid; KH₂PO₄; **FW**: 136.09; CAS: [7732-18-5, 7778-77-0, 1310-73-2]; Clear, colorless solution; **pH**: 7.00 ± 0.01; Soluble in water

Buffer Standard, pH 7



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------|
| 500mL | Triple-leached LDPE Bottle | PHBUFF7500 |

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Buffer Concentrate, pH 7.00

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SB109-500 |
| 1L | Poly Bottle | SB109-1 |

Concentrate; CAS: [64-02-8, 7732-18-5, 1310-58-3, 1310-73-2, 7664-38-2]; Traceable to NIST™; Potassium Phosphate Monobasic/Sodium Hydroxide **pH**: 7.00 ± 0.02 at 25°C when one volume is diluted with 25 volumes of distilled water.



Buffer Solution, pH 7.40

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SB110-500 |
| 1L | Poly Bottle | SB110-1 |

CAS: [7778-77-0, 64-02-8, 7732-18-5, 7758-11-4]; **Melting Point**: 0°C (32°F); **Density**: 1g/mL; Traceable to NIST™; **pH**: 7.39 to 7.41 (at 25°C); Potassium Phosphate Monobasic/Sodium Hydroxide.



Buffer Solution, pH 7.40 at 25°C

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC123904 |

Liquid; KH₂PO₄; **FW**: 136.09; CAS: [7732-18-5, 7778-77-0, 1310-73-2]; Clear, colorless solution; **pH**: 7.40 ± 0.01; Soluble in water

Buffer Solution, pH 8.00

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SB112-500 |
| 1L | Poly Bottle | SB112-1 |
| 20L | PolyPac™ | SB112-20 |

CAS: [1310-73-2, 7778-77-0, 7732-18-5] Traceable to NIST™; **pH**: 7.98 to 8.02 (at 25°C); Potassium Phosphate Monobasic/Sodium Hydroxide.



Buffer Solution, pH 8.00 at 25°C

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC124201 |

Liquid; KH₂PO₄; **FW**: 136.09; CAS: [7732-18-5, 7778-77-0, 1310-73-2]; Clear, colorless solution; **pH**: 8.00 ± 0.01; Soluble in water

Buffer Standard, pH 8



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------|
| 500mL | Triple-leached LDPE Bottle | PHBUFF8500 |

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Buffer Solution, pH 9.00

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SB114-500 |
| 1L | Poly Bottle | SB114-1 |
| 20L | PolyPac™ | SB114-20 |

CAS: [7447-40-7, 10043-35-3, 1310-73-2, 64-02-8, 7732-18-5]; **Melting Point**: 0°C (32°F); **Density**: 0.7g/mL; Traceable to NIST™; **pH**: 8.98 to 9.02 (at 25°C); Soluble in water Boric Acid/Potassium Chloride/Sodium Hydroxide.



Buffer Solution, pH 9.00 at 25°C

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC124401 |
| 4L | Poly Bottle | LC124404 |

Liquid; KCl; **FW**: 74.55; CAS: [7732-18-5, 7447-40-7, 10043-35-3, 1310-73-2]; Clear, colorless solution; **pH**: 9.00 ± 0.01; Soluble in water

Buffer, Reference Standard, pH 9.00



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | 15901 |

Clear colorless liquid; CAS: [10043-35-3 (Boric Acid), 7447-40-7 (Potassium Chloride), 1310-73-2 (Sodium Hydroxide), 7732-18-5 (Water, Deionized)]; **pH**: 9.00 ± 0.01 at 25°C

Buffer Standard, pH 9



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------|
| 500mL | Triple-leached LDPE Bottle | PHBUFF9500 |

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Buffer Solution, pH 9.18 at 25°C

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC124501 |

Liquid; Na₂B₄O₇·10H₂O; **FW**. 381.37; CAS: [7732-18-5, 1303-96-4]; Clear, colorless solution; **pH**: 9.18 ± 0.01; Soluble in water

Buffer Solution, pH 9.2



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 1L | Plastic bottle | AC38387-0010 |

CAS: [1330-43-4, 7732-18-5, 7647-14-5]; **Density**: 1.0000g/mL; Solubility in water: miscible.

Buffer Solution, pH 10.00, Color-Coded Blue

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SB115-500 |
| 4L | Poly Bottle | SB115-4 |
| 20L | PolyPac™ | SB115-20 |

CAS: [7732-18-5, 6381-92-6, 584-08-7, 1332-77-0, 1310-58-3]; **Melting Point**: 0°C (32°F); **Density**: 1.01g/mL; Traceable to NIST™; **pH**: 9.98 to 10.02 (at 25°C); Soluble in water; Potassium Carbonate/Potassium Tetraborate/ Potassium Hydroxide/Disodium EDTA Dihydrate. pH/temperature conversions given on label.



Buffer Solution, pH 10



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500mL | Plastic Bottle | AC38388-5000 |

CAS: [10043-35-3, 7732-18-5, 10043-35-3, 1310-73-2]; **Density**: 1.0000g/mL; Solubility in water: miscible.

Buffer, Precision Reference Standard, pH 10.000



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 500mL | Plastic | 160216 |

pH: 10.000 ± 0.005 at 25°C (Color-coded Blue)

Buffer, Reference Standard, pH 10.00



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | 160116 |
| 4L | Poly Bottle | 16011 |
| 4L | Cubitainer™ | 16011CT |
| 10L | Cubitainer™ | 160125 |
| 20L | Cubitainer™ | 16015 |

CAS: [7732-18-5, 497-19-8, 144-55-8]; **pH**: 10.00 ± 0.01 at 25°C (Color-coded Blue)

Buffer Solution, pH 10.00 at 25°C

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC125101 |
| 1L | Poly Bottle | LC125102 |
| 4L | Poly Bottle | LC125104 |
| 10L | Cubitainer™ | LC125106 |
| 20L | Cubitainer™ | LC125105 |

Liquid; Na₂B₄O₇·10H₂O; **FW**. 381.37; CAS: [7732-18-5, 1303-96-4, 1310-73-2]; Clear, blue solution; Color-coded Blue; **pH**: 10.00 ± 0.02; Soluble in water

Buffer, pH 10.0



| Quantity | Packaging | Cat. No. |
|----------|----------------|-----------|
| 500mL | Plastic Bottle | MBX1633-1 |

Liquid; Blue, clear

Buffer Solution, pH 10.00



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | MBX16361 |

Liquid; Mixture (Borate); Yellow, clear

Buffer Solution, pH 10.00

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SB116-500 |
| 1L | Poly Bottle | SB116-1 |
| 10L | PolyPac™ | SB116-10 |
| 20L | PolyPac™ | SB116-20 |

CAS: [6381-92-6, 584-08-7, 1310-58-3, 7732-18-5, 12228-88-5] Traceable to NIST™; **pH range**: 9.98 to 10.02 (at 25°C); Soluble in water; Potassium Carbonate/Potassium Tetraborate/Potassium Hydroxide/Disodium EDTA Dihydrate.



Buffer Solution, pH 10.00 at 25°C

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC125001 |
| 4L | Poly Bottle | LC125004 |
| 20L | Cubitainer™ | LC125005 |

Liquid; Na₂B₄O₇·10H₂O; **FW**. 381.37; CAS: [7732-18-5, 1303-96-4, 1310-73-2]; Clear, colorless solution; **pH**: 10.00 ± 0.02; Soluble in water

Buffer Standard, pH 10



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-------------|
| 500mL | Triple-leached LDPE Bottle | PHBUFF10500 |

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Buffer Concentrate, pH 11.01 Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SB141-500 |

Concentrate; CAS: [7447-40-7, 1310-73-2, 139-33-3, 7732-18-5, 10043-35-3]; Traceable to NIST™; **pH range:** 9.98 to 10.02 (at 25°C); Boric Acid/Potassium Chloride/Sodium Hydroxide.
pH is 10.00 ±0.02 at 25°C when one volume is diluted with 9 volumes of distilled water.

Buffer Solution, pH 11.00 at 25°C Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC125401 |

Liquid; Na₂HPO₄; **FW:** 141.96; CAS: [7732-18-5, 7558-79-4, 1310-73-2]; **Density:** 1g/mL; Clear, colorless solution; **pH:** 11.00 ± 0.05; Soluble in water

Buffer Concentrate, pH 11.01 Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SB142-500 |

Concentrate; CAS: [56-40-6, 7647-14-5, 1310-73-2, 139-33-3, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; Traceable to NIST™; **pH range:** 10.98 to 11.02 (at 25°C); Glycine/Sodium Chloride/Sodium Hydroxide/Disodium EDTA.
pH is 11.00 ±0.02 at 25°C when one volume is diluted with nine volumes of distilled water.



Buffer Solution, pH 12.00



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA42425K2 |

Clear colorless liquid; **Density:** 1.004-1.005g/cm³ at 20°C; **pH:** 12.00 (±0.01 @ 25°C), Specpure®, NIST™ Traceable; Solubility in water: Fully miscible

Buffer Solution, pH 12.00 at 25°C Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC125601 |
| 1L | Poly Bottle | LC125602 |

Liquid; Na₂HPO₄; **FW:** 141.96; CAS: [7732-18-5, 7558-79-4, 1310-73-2]; **Density:** 1g/mL; Clear, colorless solution; **pH:** 12.00 ± 0.05; Soluble in water

Buffer Solution, pH 12.45 at 25°C Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC125621 |

Liquid; Na₂HPO₄; **FW:** 141.96; CAS: [7732-18-5, 7558-79-4, 1310-73-2]; **Density:** 1g/mL; Clear, colorless solution; **pH:** 12.45 ± 0.05; Soluble in water

Buffer Solution, pH 13.00 at 25°C Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC125651 |

Liquid; C₁₀H₁₆O; **FW:** 150.22; CAS: [7732-18-5, 7447-40-7, 1310-73-2, 89-83-8]; **Density:** 1g/mL; Clear, colorless to light brown solution; **pH:** 13.00 ± 0.05; Soluble in water

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Acetate Buffer Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC100304 |

Liquid; $\text{CH}_3\text{COOHNa}\cdot 3\text{H}_2\text{O}$; **FW**: 136.08
 CAS [64-19-7, 7732-18-5, 6131-90-4]; Clear, colorless solution;
 For Chlorine, Iodine; **pH**: 4.0 \pm 0.1; Soluble in water

Acetic Acid Solution, 1N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SA36-1 |

Methanecarboxylic Acid; $\text{CH}_3\text{CO}_2\text{H}$; CH_3COOH ; **FW**: 60.05;
 CAS [64-19-7, 7732-18-5]; 0.995 to 1.005N
 A volumetric standard solution, titrated at 25°C to pH 8.2
 (phenolphthalein endpoint) against sodium hydroxide, which
 has been standardized against NIST™ potassium acid phthalate.



Acetic Acid, 3% (v/v)



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | 12016 |

Liquid; CAS [64-19-7 (Acetic Acid), 7732-18-5 (Water, Deionized)];
 3% (v/v); **Solubility**: Infinite; Aqueous Solution

Acetic Acid (3+97) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC101601 |

Liquid; 3.0% v/v \pm 0.1%; CH_3COOH ; **FW**: 60.05; CAS [7732-18-5, 64-19-7];
Density: 1g/mL; Clear, colorless solution; Soluble in water

Acetic Acid, 5% (v/v)



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | 13016 |
| 4L | Poly Bottle | 1301 |

Liquid; CAS [7732-18-5, 64-19-7]; 5% (v/v); Aqueous Solution

Acetic Acid, 25% (v/v)



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 4L | Poly Natural Bottle | 138251 |

CAS [7732-18-5, 64-19-7]; 25% (v/v)

Aerosol™ OT Solution, 10% (w/w)



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | SA292-4 |

CAS [577-11-7, 111-76-2, 7732-18-5, 64-17-5, 104-76-7];
Concentration: 9 to 11%;
 Aerosol™ OT 10% is a chemical solution that “makes water
 wetter” because it reduces surface tension and interfacial
 tension to a considerable degree even at low concentrations.



Aerosol™ OT Solution, 75% (w/w)



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | A345-500 |

CAS [64-17-5]; **DOT Class 3**: Flammable Liquid; **UN**: 1993;
 72 to 78%; Contains: Sodium Dioctyl Sulfosuccinate,
 Ethyl Alcohol, Water.



Alkaline Iodide-Sodium Azide Solution



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SA435-1 |

CAS [1310-58-3, 7681-11-0, 26628-22-8, 7732-18-5];
Density: 1.5g/mL; **DOT Class 8**: Corrosive; **UN**: 1760;
 Used in APHA test for dissolved oxygen
 (Alsterberg azide modification).
 Contains Potassium Hydroxide, Potassium Iodide, Sodium Azide.



1-Amino-2-Naphthol-4-Sulfonic Acid Solution Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------------|----------|
| 500mL | Amber Poly Bottle | LC108901 |

Liquid; $\text{H}_2\text{N}(\text{HO})\text{C}_{10}\text{H}_5\text{SO}_3\text{H}$; **FW**: 239.26;
 CAS [7732-18-5, 7631-90-5, 7757-83-7, 116-63-2];
 Clear, light brown solution; For Silica; Soluble in water

Ammonia (as Nitrogen) Standard Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC179401 |

Liquid; NH_4Cl ; **FW**: 53.49 CAS [7732-18-5, 12125-02-9]; **Density**: 1g/mL;
 Clear, colorless solution; 1000ppm \pm 10ppm;
 (1mL = 1mg N, 1mL = 1.22mg NH_3); Soluble in water

Ammonium Chloride-EDTA Solution



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 4L | Poly Natural Bottle | 6261 |

Clear colorless liquid; CAS [12125-02-9 (Ammonium Chloride),
 1336-21-6 (Ammonium Hydroxide), 7732-18-5 (Water, Deionized)];
pH: ~8.5

Ammonium Hydroxide (1+9) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC111802 |

Liquid; 9.6 to 10.3% v/v; Ammonia; NH_4OH ; **FW**: 35.05;
 CAS [7732-18-5, 1336-21-6]; **Density**: 0.987g/mL;
 Clear, colorless solution; As NH_4OH ; Soluble in water

Ammonium Hydroxide, 16.7% (v/v) Electronic Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 20L | Cubitainer™ | 6325 |

Clear colorless liquid; CAS [7732-18-5, 1336-21-6];
Melting Point: Approx. -72°C; **Boiling Point**: Approx. 36°C;
 16.7% (v/v); Alkaline; **Solubility**: Infinite; Aqueous Solution

Ammonium Hydroxide (1+4) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC111604 |

Liquid; 19.2 to 20.8% v/v; Ammonia; NH_4OH ; **FW**: 35.05;
 CAS [7732-18-5, 1336-21-6]; **Density**: 0.98g/mL;
 Clear, colorless solution; As NH_4OH ; For Hardness; Soluble in water

Ammonium Hydroxide, 28 - 30% ACS Reagent, EP



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | MAX13036 |

28 to 30%; Ammonia Water, Ammonium Hydroxide Solution; NH₄OH [NH₃ in water]; **FW**: 35.05; CAS [1336-21-6]; **Melting Point**: -72°C; **Boiling Point**: 32°C; **Density**: 0.90g/cm³ (20°C); EMSURE™, For Analysis; Strongly Alkaline; Soluble (2°C)

Ammonium Molybdate



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | 66516 |

Clear colorless liquid; CAS [7732-18-5, 12054-85-2]; 4% (w/v); **pH**: 5.0 to 5.5 (5% solution); Aqueous Solution

Ammonium Oxalate



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | 6851 |

Clear colorless liquid; CAS [7732-18-5, 6009-70-7]; **Melting Point**: Approx. -10°C; 4% (w/v); **pH**: -6 to 7; Aqueous Solution

Ammonium Sulfide Solution Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 225mL | Glass Bottle | A705-225 |
| 500mL | HDPE Bottle | A705-500 |

20 to 24 %; CAS [12135-76-1]; **Flash Point**: 32.2°C; **Density**: >1; **DOT Class 8**: Corrosive; **UN**: 2683

Benzalkonium Chloride



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC26382-0010 |

Alkyl-benzyl-dimethylammonium Chloride; C₈H₂CH₂N(CH₃)₂RC1R=C₈H₁₇ to C₁₈H₃₇; CAS [8001-54-5, 7732-18-5]; **Flash Point**: 105°C; **Boiling Point**: >100.0°C; **Density**: 0.9800g/mL; **UN**: 2922
Solubility in water: soluble. Other solubilities: soluble in alcohol and acetone, slightly soluble in benzene, almost insoluble in ether

Bromine Number Titration Solvent



| Quantity | Packaging | Cat. No. |
|----------|--------------------------------|----------|
| 4L | Amber Glass Bottle, Safety Cap | 11911 |

Dichloromethane Formulation; Colorless; Liquid; CAS [64-19-7, 75-09-2, 67-56-1, 7732-18-5, 7664-93-9] **Density**: 1.06; **UN**: 2790

Buffer Solution (Acetate), pH 4.0-4.6 Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 20L | PolyPac™ | SB103-20 |

CAS [64-19-7, 6131-90-4, 7732-18-5]; **Flash Point**: 112.8°C (235°F); Traceable to NIST™; **pH**: 4.0 to 4.5 (at 25°C)

Buffer Solution, pH: ≥10.3 APHA



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SB119-1 |

CAS [1336-21-6, 12125-02-9, 6381-92-6, 7791-18-6, 7732-18-5]; **Melting Point**: -35°C; **Density**: 0.96g/mL; **DOT Class 8**: Corrosive; **UN**: 3266; For Water Hardness (Schwarzenback); **pH**: ≥10.3

ChemAlert® Storage Code
WHITE

Buffer Solution (Phosphate)



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 1L | Poly Natural Bottle | 580532 |
| 4L | Poly Natural Bottle | 58051 |

CAS [7778-77-0 (Potassium Phosphate, Monobasic), 7558-79-4 (Sodium Phosphate, Dibasic), 7487-94-7 (Mercuric Chloride), 7732-18-5 (Water, Deionized)]; **Application**: Chlorine Determination (DPD Methods)

Buffer Solution, pH 7



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 1L | Plastic Bottle | AC25859-0010 |

CAS [7558-79-4, 7558-79-4, 7732-18-5]; Solubility in water: soluble.

Buffer Solution (Phosphate), pH 7.21 APHA



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SP341-1 |

CAS [7758-11-4, 7558-79-4, 7778-77-0, 12125-02-9, 7732-18-5]; **Melting Point**: 0°C (32°F); Traceable to NIST™; **pH**: 7.18 to 7.22 (at 25°C)

ChemAlert® Storage Code
GRAY

tert-Butyl Hydroperoxide



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10kg | Plastic Drum | AC18034-0100 |

TBHP; C₄H₁₀O₂; (CH₃)₃COOH; **FW**: 90.12; CAS [75-91-2, 7732-18-5]; **Melting Point**: -2.8°C; **Flash Point**: 43°C; **Boiling Point**: 37.0°C (15.0mmHg); **Density**: 0.9400g/mL; Solubility in water: miscible., soluble in hydroxide solutions, soluble in most common organic solvents

n-Butyllithium, 1.6M



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC18127-1000 |
| 800mL | AcroSeal™ Glass Bottle | AC18127-8000 |

C₄H₉Li; CH₃(CH₂)₃Li; **FW**: 64.06; CAS [109-72-8, 110-54-3]; **Melting Point**: -95.0°C; **Flash Point**: -18°C; **Boiling Point**: 60.0° to 80.0°C; **Density**: 0.6800g/mL; **UN**: 3399

n-Butyllithium, 2.5M



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC21335-1000 |
| 800mL | AcroSeal™ Glass Bottle | AC21335-8000 |

C₄H₉Li; CH₃(CH₂)₃Li; **FW**: 64.06; CAS [109-72-8, 110-54-3]; **Melting Point**: -95.0°C; **Flash Point**: -21°C; **Boiling Point**: 60.0° to 80.0°C; **Density**: 0.6900g/mL; **UN**: 3394

Calcium Chloride Solution



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SC10-1 |

CaCl₂; CAS [10043-52-4, 7732-18-5]; **Melting Point:** 0°C (32°F); 2.5 to 3.0%; For biochemical oxygen demand.

ChemAlert®
Storage Code
GRAY

Ceric Ammonium Sulfate



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 4L | Poly Natural Bottle | 18901 |

Clear, Orange Liquid; CAS [7732-18-5, 10378-47-9, 7664-93-9]; 0.100N; 1N Sulfuric Acid

Chromic Acid

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC131004 |

Liquid; 10.0% w/v ± 0.5%; CrO₃; **FW:** 99.99; CAS [7732-18-5, 1333-82-0]; **DOT Class 8:** Corrosive **UN:** 1755; Clear, orange solution; Soluble in water

Chromic-Sulfuric Acid Cleaning Solution



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | SC88-500 |

DOT Class 8: Corrosive; **UN:** 3264; Chromic-Sulfuric Acid; For cleaning glassware.

ACID
ChemAlert®
Storage Code
WHITE

Cobaltous Chloride

USP/EP, Colorimetric Solution



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 120mL | Amber Glass Bottle | 22104 |
| 500mL | Amber Glass Bottle | 221016 |

Clear, Dark Red Colored Liquid; CAS [7791-13-1 (Cobalt(II) Chloride, Hexahydrate), 7647-01-0 (Hydrochloric Acid), 7732-18-5 (Water, Deionized)]; 1 mL = 59.5 mg CoCl₂·6H₂O; Red Primary Solution

Copper (II) Sulfate-Sulfamic Acid Inhibitor Solution

APHA



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | SC171-4 |

Copper (II) Sulfate-Sulfamic Acid Inhibitor Solution; CAS [7758-99-8, 5329-14-6, 64-19-7, 7732-18-5]; For dissolved oxygen.

ChemAlert®
Storage Code
GRAY

DPD Indicator Solution



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 500mL | Amber Glass Bottle | 265516 |
| 1L | Amber Glass Bottle | 265532 |
| 4L | Amber Glass Bottle | 26551 |

CAS [7732-18-5, 7664-93-9, 6283-63-2, 6381-92-6] For Residual Chlorine Analysis

DPD Solution

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | LC137004 |

Liquid; C₁₀H₁₆N₂·H₂SO₄; **FW:** 262.32; CAS [7732-18-5, 7664-93-9, 6283-63-2, 6381-92-6]; Clear, colorless to slight yellow solution; For Chlorine, Chlorine Dioxide; Soluble in water

Electrode Storage Solution



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC140201 |
| 1L | Poly Bottle | LC140202 |

Liquid; KH₂H₂O₄; **FW:** 204.23 CAS [7732-18-5, 877-24-7, 7447-40-7]; Clear, colorless solution; Soluble in water

EDTA, Standard Solution, 0.01M

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | SS221-4 |

Sodium (Di)Ethylenediamine Tetraacetate Standard Solution, EDTA Standard Solution; CAS [6381-92-6, 1310-73-2, 7791-18-6, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1.02g/mL; 1mL=1mg CaCO₃

ChemAlert®
Storage Code
GRAY

EDTA, 0.01M (0.02N)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC138504 |

Liquid; (HO₂CCH₂)₂NCH₂CH₂N(CH₂CO₂Na)₂·2H₂O; **FW:** 372.23; CAS [7732-18-5, 6381-92-6]; **Density:** 1g/mL; Clear, colorless solution; 0.01000M ± 0.00010M; Titrant for Water Hardness, (1mL = 1mg CaCO₃); Soluble in water

EDTA, 0.05M (0.1N)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC138702 |

Liquid; (HO₂CCH₂)₂NCH₂CH₂N(CH₂CO₂Na)₂·2H₂O; **FW:** 372.23; CAS [7732-18-5, 6381-92-6]; **Density:** 1g/mL; Clear, colorless solution; 0.0500M ± 0.0005M; Soluble in water

EDTA, 0.0575M (0.115N)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC138804 |

Liquid; (HO₂CCH₂)₂NCH₂CH₂N(CH₂CO₂Na)₂·2H₂O; **FW:** 372.23; CAS [7732-18-5, 6381-92-6]; **Density:** 1g/mL; Clear, colorless solution; 0.0575M ± 0.0005M; Soluble in water

EDTA, Disodium Salt, Standard Solution, 0.1M

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SS412-1 |

CAS [6381-92-6, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1.02g/mL; 0.0995 to 0.1005M; **pH:** 4.5 to 5.5 (at 25°C)

ChemAlert®
Storage Code
GRAY

EDTA Disodium Salt Solution, 0.1M



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 1L | Poly Bottle | MEX0546A6 |

(Ethylenedinitrilo)tetraacetic Acid, Disodium Salt, Dihydrate Solution; 0.1M; Na₂EDTA in water

EDTA, 0.1M (0.2N)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC139002 |
| 4L | Poly Bottle | LC139004 |

Liquid; (HO₂CCH₂)₂NCH₂CH₂N(CH₂CO₂Na)₂·2H₂O; **FW** 372.23; CAS [7732-18-5, 6381-92-6]; **Density**: 1g/mL; Clear, colorless solution; 0.1000M ± 0.0005M; Soluble in water

EDTA, 0.25M (0.5N)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC139102 |

Liquid; (HO₂CCH₂)₂NCH₂CH₂N(CH₂CO₂Na)₂·2H₂O; **FW** 372.23; CAS [7732-18-5, 6381-92-6]; **Density**: 1.05g/mL; Clear, colorless solution; 0.250M ± 0.002M; Soluble in water

Fehling's Solution A

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC142002 |

Liquid; 6.93% w/v ± 0.30%; CuSO₄·5H₂O; **FW** 249.68; CAS [7732-18-5, 7758-99-8]; Clear, blue solution; Copper No. 1 Soluble in water

Fehling's Solution B

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC142102 |

Liquid; KNaC₄H₄O₆·4H₂O; **FW** 282.22 CAS [7732-18-5, 6381-59-5, 1310-73-2]; **DOT Class 8**: Corrosive; **UN**: 1824; Clear, colorless solution; Alkaline No. 2; Soluble in water

Ferric Chloride

USP/EP



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 120mL | Amber Glass Bottle | 31104 |
| 500mL | Amber Glass Bottle | 311016 |
| 1L | Amber Glass Bottle | 311032 |

Clear light to dark amber colored liquid; CAS [10025-77-1 (Ferric Chloride Hexahydrate), 7647-01-0 (Hydrochloric Acid), 7732-18-5 (Water, Deionized)]; 1 mL = 45.0mg FeCl₃·6H₂O; Yellow Primary Solution, Colorimetric Solution; Acidic

Ferrous Ammonium Sulfate



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | 314432 |
| 4L | Amber Glass Bottle | 31441 |

Clear, Light Green Liquid; 0.00282N, 0.00282M; 1 mL = 0.1mg Cl₂

Glucose-Glutamic Acid

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|------------|
| 24 × 6mL | Vial | LC14845246 |
| 48 × 6mL | Vial | LC14845486 |
| 125mL | Amber Glass Bottle | LC148457 |
| 500mL | Amber Glass Bottle | LC148451 |

Liquid; GGA; C₆H₁₂O₆; **FW** 180.15; CAS [7732-18-5, 50-99-7, 56-86-0]; Clear, colorless solution; 198.0mg/L BOD ± 30.5mg/L; For BOD, Sterilized; Soluble in water

Hydrochloric Acid Solution, 0.01N (N/100)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SA62-1 |

HCl; CAS [7647-01-0, 7732-18-5]; **Melting Point**: -17°C; **Boiling Point**: 81.5° to 110°C; **Density**: 1.16g/mL; **DOT Class 8**: Corrosive; **UN**: 1789; 0.0099 to 0.0101N Solubility in water: Soluble; Standardized at 25°C to pH 8.2 against sodium hydroxide that has been standardized against NIST™ potassium acid phthalate.



Hydrochloric Acid Solution, 0.02N (N/50)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SA60-1 |

Muriatic Acid; HCl; CAS [7647-01-0, 7732-18-5]; **Melting Point**: -17°C; **Boiling Point**: 81.5° to 110°C; **Density**: 1.16g/mL; 0.0198 to 0.0202N; Solubility in water: Soluble Standardized at 25°C to pH 8.2 against sodium hydroxide that has been standardized against NIST™ potassium acid phthalate.



Hydrochloric Acid Solution, 0.1N

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|-----------|
| 500mL | Amber Glass Bottle | ST111-500 |

CAS [7647-01-0, 67-63-0]; **Melting Point**: -88.89°C; **Flash Point**: 15°C; **Boiling Point**: 82.78°C; **Density**: 0.8g/mL; **DOT Class 3**: Flammable Liquid; **UN**: 2924; 0.0995 to 0.1005N; In isopropanol; Suitable for use as a titration standard.



Hydrochloric Acid Solution, 0.1N (N/10)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SA54-1 |
| 4L | Poly Bottle | SA54-4 |
| 10L | PolyPac™ | SA54-10 |
| 20L | PolyPac™ | SA54-20 |

HCl; CAS [7647-01-0, 7732-18-5]; **Melting Point**: -17°C; **Boiling Point**: 81.5° to 110°C; **Density**: 1.16g/mL; **DOT Class 8**: Corrosive; **UN**: 1789; 0.0995 to 0.1005N Solubility in water: Soluble Standardized at 25°C to pH 8.2 against sodium hydroxide that has been standardized against NIST™ potassium acid phthalate.



Hydrochloric Acid, 0.1N



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 4L | Poly Natural Bottle | 36001 |
| 20L | Cubitainer™ | 36005 |

Liquid; Muriatic Acid; HCl; CAS [7732-18-5, 7647-01-0]

Hydrochloric Acid, 0.1N/IPA



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 1L | Poly Natural Bottle | 380032 |
| 4L | Poly Natural Bottle | 38001 |

Clear colorless liquid; CAS [7647-01-0 (Hydrochloric Acid), 67-63-0 (isopropyl alcohol)]; **Melting Point:** Approx. -88°C; **Boiling Point:** Approx. 82°C; 0.100N; In Isopropanol; **Solubility:** Infinite

Hydrochloric Acid, 0.1N



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 1L | Plastic Bottle | AC12420-0010 |

CIH; HCl; **FW:** 36.46; CAS [7647-01-0, 7732-18-5]; **Boiling Point:** 100.0°C; **Density:** 1.0000g/mL; Solubility in water: miscible. Other solubilities: soluble in alcohol and benzene; Clear, colorless solution; 0.0998 to 0.1002N (20°C)

Hydrochloric Acid, 0.1N

BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 1L | Narrow Mouth Poly Bottle | 02003027 |

HCl; **FW:** 36.46; CAS [7647-01-0]; 0.1N Volumetric Solution

Hydrochloric Acid, 0.1N (0.1M)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC152204 |
| 20L | Cubitaíner™ | LC152205 |

Liquid; Muriatic Acid; HCl; **FW:** 36.46; CAS [7732-18-5, 7647-01-0]; **Density:** 1g/mL; Clear, colorless solution; 0.1000N ± 0.0005N Soluble in water

Hydrochloric Acid Solution, 0.2N (N/5)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | SA52-500 |
| 20L | PolyPac™ | SA52-20 |

HCl; CAS [7647-01-0, 7732-18-5]; **Melting Point:** -17°C; **Boiling Point:** 81.5° to 110°C; **Density:** 1.16g/mL; **DOT Class 8:** Corrosive; **UN:** 1789; 0.1990 to 0.2010N Standardized at 25°C to pH 8.2 against sodium hydroxide that has been standardized against NIST™ potassium acid phthalate.

Hydrochloric Acid, 0.5N (0.5M)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC152802 |
| 4L | Poly Bottle | LC152804 |

Liquid; Muriatic Acid; HCl; **FW:** 36.46; CAS [7732-18-5, 7647-01-0]; **DOT Class 8:** Corrosive; **UN:** 1789; **Recommended Storage:** Room Temperature; clear, colorless solution; 0.500N ± 0.005N; Soluble in water

Hydrochloric Acid Solution, 0.5N (N/2)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SA50-1 |
| 4L | Poly Bottle | SA50-4 |
| 20L | PolyPac™ | SA50-20 |

Muriatic Acid; HCl; CAS [7647-01-0, 7732-18-5]; **Melting Point:** -17°C; **Boiling Point:** 81.5° to 110°C; **Density:** 1.16g/mL; **DOT Class 8:** Corrosive; **UN:** 1789; 0.498 to 0.502N; Solubility in water: Soluble Standardized at 25°C to pH 8.2 against sodium hydroxide that has been standardized against NIST™ potassium acid phthalate.



Hydrochloric Acid Solution, 1N

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | SA48-500 |
| 1L | Poly Bottle | SA48-1 |
| 4L | Poly Bottle | SA48-4 |
| 20L | PolyPac™ | SA48-20 |

Muriatic Acid; HCl; CAS [7647-01-0, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; **DOT Class 8:** Corrosive; **UN:** 1789; 0.995 to 1.005N; Standardized at 25°C to pH 8.2 against sodium hydroxide that has been standardized against NIST™ potassium acid phthalate.



Hydrochloric Acid, 1.0N (1.0M)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC153002 |
| 4L | Poly Bottle | LC153004 |
| 20L | Cubitaíner™ | LC153005 |

Liquid; Muriatic Acid; HCl; **FW:** 36.46; CAS [7732-18-5, 7647-01-0]; **DOT Class 8:** Corrosive; **UN:** 1789; Clear, colorless solution; 1.000N ± 0.005N; Soluble in water

Hydrochloric Acid, 1N



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 1L | Plastic Bottle | AC12421-0010 |

CIH; HCl; **FW:** 36.46 CAS [7647-01-0, 7732-18-5]; **Boiling Point:** 100.0° to 103.0°C; **Density:** 1.0200g/mL; **UN:** 1789; Solution: 0.998 to 1.002N (20°C)

Hydrochloric Acid, 1N

BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 1L | Narrow Mouth Poly Bottle | 02003038 |

HCl; **FW:** 36.46; CAS [7647-01-0]; 1N Volumetric Solution

Hydrochloric Acid Solution, 2N

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SA431-500 |

Muriatic Acid; HCl; CAS [7647-01-0, 7732-18-5]; **Melting Point:** -17°C; **Boiling Point:** 81.5° to 110°C; **Density:** 1.16g/mL; **DOT Class 8:** Corrosive; **UN:** 1789; 1.995 to 2.005N; Standardized at 25°C to pH 8.2 against sodium hydroxide that has been standardized against NIST™ potassium acid phthalate.



Hydrochloric Acid, 2N



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 4L | Poly Natural Bottle | 37101 |
| 20L | Cubitrainer™ | 37105 |

Clear colorless liquid; Muriatic Acid; HCl; CAS [7732-18-5, 7647-01-0]; 2.00N

Hydrogen Chloride, 3M in CPME



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 100mL | AcroSeal™ Glass Bottle | AC44585-1000 |

ClH; HCl; **FW.** 36.45 CAS [7647-01-0, 5614-37-9]; **Flash Point:** -1°C; **Boiling Point:** 106.0°C; **Density:** 0.8950g/mL; Colorless to light yellow solution; 2.85 to 3.30M

Hydrochloric Acid, 6.0N (6.0M)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 2.5L | Clear Glass Bottle | LC153703 |

Liquid; Muriatic Acid; HCl; **FW.** 36.46; CAS [7732-18-5, 7647-01-0]; **DOT Class 8:** Corrosive; **UN:** 1789; Clear, colorless solution; 6.0N ± 0.1N; Soluble in water

Hydrochloric Acid, 6N

BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|-----------------------------|----------|
| 4L | Pressure Bottom Poly Bottle | 02003064 |

HCl; **FW.** 36.46; CAS [7647-01-0]; 6N Volumetric Solution

Hydrochloric Acid Solution, 6N

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | SA56-500 |
| 1L | Glass Bottle | SA56-1 |
| 4L | Glass Bottle | SA56-4 |

Muriatic Acid; HCl·H₂O; CAS [7732-18-5, 7647-01-0]; **Melting Point:** -74°C; **Boiling Point:** 81.5° to 110°C; **Density:** 1g/mL; **DOT Class 8:** Corrosive; **UN:** 1789; 5.95 to 6.05N; Traceable to NIST™; Standardized at 25°C to pH 8.2 against sodium hydroxide that has been standardized against NIST™ potassium acid phthalate.



Hydrochloric Acid (1+19)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC150504 |

Liquid; 5.0% v/v ± 0.3%; Muriatic Acid; HCl; **FW.** 36.46 CAS [7732-18-5, 7647-01-0]; **DOT Class 8:** Corrosive; **UN:** 1789; Clear, colorless solution; Soluble in water

Hydrochloric Acid (1+4)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC150904 |

Liquid; 20% v/v ± 1%; Muriatic Acid; HCl; **FW.** 36.46 CAS [7732-18-5, 7647-01-0]; **DOT Class 8:** Corrosive; **UN:** 1789; Clear, colorless solution; Soluble in water

Hydrochloric Acid, 33.33% (v/v)



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 4L | Natural Bottle | 35821 |

Clear, Orange Liquid; CAS [7647-01-0 (Hydrochloric Acid), 547-58-0 (Methyl Orange, Sodium Salt)]; 33.33% (v/v); With 0.0005% (w/v) Methyl Orange Indicator; Aqueous Solution

Hydrochloric Acid, 37%

ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|--------------|
| 500mL | Glass Bottle | AC42379-5000 |
| 2.5L | Glass Bottle, EcoSafPak™ | AC42379-0025 |

Muriatic Acid; ClH; HCl; **FW.** 36.45; CAS [7647-01-0, 7732-18-5] **Melting Point:** -35.0°C; **Boiling Point:** 57.0°C; **Density:** 1.1800g/mL; **UN:** 1789; ~37% Solution in Water

Hydrochloric Acid (1+1)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | LC151302 |
| 2.5L | Clear Glass Bottle | LC151303 |

Liquid; 50% v/v ± 1%; Muriatic Acid; HCl; **FW.** 36.46 CAS [7732-18-5, 7647-01-0]; **DOT Class 8:** Corrosive; **UN:** 1789; Clear, colorless solution; Soluble in water

Hydrofluoric Acid



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 500mL | Plastic Bottle | AC22333-5000 |

HF; **FW.** 20.00 CAS [7664-39-3, 7732-18-5]; **Melting Point:** -35.0°C; **Boiling Point:** 105.0°C; **Density:** 1.1500g/mL; **UN:** 1790; 48 to 51% Solution in Water

Hydrogen Peroxide

Optima™



| Quantity | Packaging | Cat. No. |
|----------|------------|----------|
| 500mL | FEP Bottle | P170-500 |

Liquid; H₂O₂; **F.W.** 34.02; CAS [7722-84-1]; Ideal for analysis by IC, GF or Flame AA, ICP-OES and ICP-MS. Evaluated for 65 metals at low-level ppt concentrations. Manufactured, purified, and packaged in Class 1000 clean room. Packaged in specially cleaned Teflon FEP for PFA bottles to maintain product integrity and to eliminate metal leaching from glass bottles. Three-year shelf life from time of manufacture - available on COA. **Applications:** Trace metal analysis, preparing calibration solutions, sample digestion, and instrument or glassware pre-rinsing/cleaning.



Hydrogen Peroxide, 3%

USP



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | H312-500 |
| 4L | Poly Bottle | H312P-4 |
| 4L | Glass Bottle | H312-4 |

3% w/v; Hydrogen Dioxide, Hydroperoxide; H₂O₂; **F.W.** 34.01; CAS [7722-84-1, 7732-18-5]; **Density:** >1.00 Soluble in water



Hydrogen Peroxide, 30% Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | H324-500 |

3.0 to 3.5%; Hydrogen Dioxide, Hyperoxide; H₂O₂; F.W. 34.01; CAS [7722-84-1, 7732-18-5]; Density: >1.00



Hydrogen Peroxide, 30% ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 500mL | Poly Natural Bottle | 3821716 |
| 1L | Poly Natural Bottle | 3821732 |
| 4L | Poly Natural Bottle | 382171 |
| 20L | Cubitainer™ | 382175 |

Clear colorless liquid; CAS [7722-84-1, 7732-18-5]

Hydrogen Peroxide, 30% Certified Standard ACS



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 100mL | Poly Bottle | H325-100 |
| 500mL | Poly Bottle | H325-500 |
| 4L | Poly Bottle | H325-4 |
| 30 gal. | Poly Drum | H325-30GAL |

30.0 to 32.0%; Hyperoxide; H₂O₂; F.W. 34; CAS [7722-84-1, 7732-18-5]; Melting Point: -33°C; Boiling Point: 108°C; Density: 1.10; DOT Class 5.1: Oxidizer; UN: 2014; Solubility in water: miscible



Hydrogen Peroxide, 30% Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | H323-500 |

29 to 36%; Hydrogen Dioxide, Hyperoxide; H₂O₂; F.W. 34.01; CAS [7722-84-1, 7732-18-5, 12058-66-1]; Melting Point: -33°C; Boiling Point: 108°C; Density: 1.1g/mL; DOT Class 5.1: Oxidizer; UN: 2014; Stabilized with Sodium Stannate



Hydrogen Peroxide, 30% BAKER ANALYZED™ ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------------------------|----------|
| 500mL | HDPE Pressure Bottom Poly Bottle | 02003190 |
| 4L | Poly Bottle | 02003189 |

Meets ACS Reagent Chemical Requirements; 30%; H₂O₂; F.W. 34.01; CAS [7722-84-1]; Stabilized

Hydrogen Peroxide, 30% ULTREX™ II Ultrapure Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------------------------|----------|
| 450mL | HDPE Pressure Bottom Poly Bottle | 02003185 |

30%; H₂O₂; F.W. 34.01 CAS [7722-84-1]

Hydrogen Peroxide, 30% Suprapur™



| Quantity | Packaging | Cat. No. |
|----------|----------------|-------------|
| 250mL | Plastic Bottle | M1072980250 |
| 1L | Plastic Bottle | M1072981000 |

Clear colorless liquid; 30%; Perhydrol; H₂O₂; CAS [7722-84-1]; Melting Point: -26°C; Boiling Point: 107°C (1013 hPa); Density: 1.11g/cm³ (20°C); Suprapur™; pH: 2 to 4 (H₂O, 20°C); Soluble (20°C)

Hydrogen Peroxide, >30% Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC154301 |
| 1L | Poly Bottle | LC154302 |

Liquid; >30% w/w; H₂O₂; F.W. 34.01; CAS [7732-18-5, 7722-84-1]; Melting Point: -0.41°C; Boiling Point: 150.2°C; Density: 1.41g/cm³; DOT Class 5.1: Oxidizer; UN: 2014; Clear, colorless solution; Soluble in water

Hydrogen Peroxide, 34-37% Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | H327-500 |

34 to 37%; Hydrogen Dioxide, Hyperoxide; H₂O₂; F.W. 34.01; CAS [7722-84-1, 7732-18-5, 12058-66-1]; Melting Point: -33°C; Boiling Point: 108°C; Density: 1.1g/mL; DOT Class 5.1: Oxidizer; UN: 2014



Hydrogen Peroxide, 50% Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | H341-500 |

48 to 51%; Hydrogen Dioxide, Hyperoxide; H₂O₂; F.W. 34.01; CAS [7722-84-1, 7732-18-5]; Melting Point: -33°C; Boiling Point: 108°C; Density: 1.1g/mL; DOT Class 5.1: Oxidizer; UN: 2014; Stabilized



Iodine (Iodine-Iodide) Solution, 0.0473N



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | 39901 |

For Iodine Adsorption Number of Carbon Black; CAS [7553-56-2, 7681-11-0, 7732-18-5]; Dark Brown Liquid; Melting Point: ~0°C; Boiling Point: ~100°C; Density: 1.05; Solubility: Miscible

Iodine (Iodine-Iodide) Solution, 0.1N (N/10)



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | 400032 |
| 4L | Amber Glass Bottle | 40001 |

Dark Brown Liquid; CAS [7553-56-2, 7681-11-0, 7732-18-5]; Melting Point: ~0°C; Boiling Point: ~100°C; Density: 1.05; Solubility: Miscible

Iodine, 0.01N (0.005M) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | LC156002 |

Liquid; I₂; F.W. 253.809; CAS [7732-18-5, 7681-11-0, 7553-56-2, 7647-01-0]; Red-brown solution; 0.0100N ± 0.0001N; Soluble in water

Iodine Solution, 0.02N (N/50) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SI92-1 |

CAS [7553-56-2, 7681-11-0, 7732-18-5]; Melting Point: 0°C (32°F); Density: 1g/mL; 0.0195 to 0.0205N



Iodine, 0.1N (0.05M) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | LC156602 |
| 4L | Amber Glass Bottle | LC156604 |

Liquid; **I₂**; **FW**: 253.809; **CAS** [7732-18-5, 7681-11-0, 7553-56-2, 7647-01-0]; Dark red-brown solution; 0.1000N ±0.0005N; Soluble in water

Iodine Solution, 0.1N (N/10) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SI86-1 |

CAS [7681-11-0, 7553-56-2, 7732-18-5]; **Melting Point**: 0°C (32°F); **Density**: 0.7; 0.0995 to 0.1005N; Soluble in water; Standardized volumetrically at 25°C against NIST™ arsenous acid.



Iodine Solution, 1N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | SI78-500 |

CAS [7553-56-2, 7681-11-0, 7732-18-5]; **Melting Point**: 0°C (32°F); **Density**: 1g/mL; **DOT Class 8**: Corrosive; **UN**: 1760; 0.995 to 1.005N; Standardized volumetrically at 25°C against NIST™ Arsenous Acid.



Iodine Solution, Hanus



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | SI98-500 |

Iodobromide Test Solution; **CAS** [7726-95-6, 7553-56-2, 64-19-7]; **Melting Point**: 17°C; **Flash Point**: 38°C; **Boiling Point**: 118°C; **Density**: 1.06g/mL; **DOT Class 8**: Corrosive; **UN**: 2920; Used for iodine number determination.



Iodine Solution, Wijs



| Quantity | Packaging | Cat. No. |
|----------|--------------------|-----------|
| 500mL | Amber Glass Bottle | SI106-500 |
| 1L | Amber Glass Bottle | SI106-1 |
| 4L | Amber Glass Bottle | SI106-4 |

CAS [7553-56-2, 64-19-7, 7782-50-5]; **Melting Point**: 17.2°C; **Flash Point**: 41°C; **Boiling Point**: 117.8°C; **Density**: 1.06g/mL; **DOT Class 8**: Corrosive; **UN**: 2920; **Concentration**: 0.215 For determination of iodine absorption number in fats. Approximately 0.22N solution in glacial acetic acid.



Ionic Strength Adjustor



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 1L | Poly Natural Bottle | 412832 |

CAS [7732-18-5, 1310-73-2, 67-56-1, 6381-92-6, 125-20-2]; pH Indicating and Adjusting, for use with Ammonia Selective Electrode

Isopropyl Alcohol, 70% Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 1L | Poly Bottle | LC157602 |
| 4L | Poly Bottle | LC157604 |
| 20L | Cubitainer™ | LC157605 |
| 200L | Poly Drum | LC15760200 |

Liquid; 70% v/v; IPA; C₃H₈O; **FW**: 60.09; **CAS** [67-63-0, 7732-18-5]; **Melting Point**: -88°C; **Flash Point**: 12°C; **Boiling Point**: 82°C; **Density**: 0.88g/mL; **DOT Class 3**: Flammable Liquid **UN**: 1219; Clear, colorless solution; Soluble in water

Kauri Gum Solution



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 1 qt. | Metal Can | SK7-1QT |

CAS [77465-88-4, 71-36-3]; **Flash Point**: 47°C; **DOT Class 3**: Flammable Liquid; **UN**: 1120 In Butanol



Kerosene Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | LC158504 |

Liquid; **CAS** [64742-48-9]; **Melting Point**: -20°C; **Flash Point**: 61°C; **Density**: 769kg/m³; **DOT Class 3**: Flammable Liquid; **UN**: 1223; Clear, colorless solution

Kjel-Sorb™ Solution Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|----------|
| 4L | Poly Bottle, EcoSafPak™ | SK15-4 |
| 20L | PolyPac™ | SK15-20 |

CAS [10043-35-3]; **DOT Class 9**: Miscellaneous; Saturated boric acid solution with indicator for use in Kjeldahl determinations.



Magnesium Sulfate Heptahydrate Solution, 2.25% APHA



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SM109-1 |

MgSO₄; **CAS** [7487-88-9, 7732-18-5]; **Melting Point**: 0°C (32°F); **Density**: 1g/mL; Suitable for biochemical oxygen demand.



Manganese (II) Sulfate Solution



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | SM20-500 |
| 1L | Glass Bottle | SM20-1 |

CAS [7785-87-7, 7732-18-5]; **Density**: 1.27g/mL; For determination of dissolved oxygen.



Methyl Orange Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC170101 |

Liquid; 4-NaOSO₂C₆H₄N:NC₆H₄-4-N(CH₃)₂; **FW**: 327.34; **CAS** [7732-18-5, 547-58-0]; Dark orange solution; 0.1% Aqueous; **pH**: 3.2 to 4.4; Soluble in water

Methylene Blue Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC169402 |

Liquid; $C_{16}H_{18}N_3SCl$; **FW.** 319.85; CAS [7732-18-5, 61-73-4];
Density: 1g/mL; Dark blue solution; 1% Aqueous; Soluble in water

Murexide



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 5g | Glass Bottle | M274-5 |

Powder; Ammonium Purpurate Acid; $C_8H_8N_6O_6$; **FW.** 284.20;
CAS [3051-09-0]; **Melting Point:** 355.00°C

ChemAlert™
Storage Code
GRAY

Murexide Indicator APHA/EPA



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | 5220100 |
| 500g | Glass Bottle | 5220500 |

APHA/EPA for Calcium; 0.2% (w/w) dry mixture in Sodium Chloride

Nessler's Reagent Solution



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | SN161-500 |

Mercuric and Potassium Iodide Solution; CAS [7681-11-0];
DOT Class 8: Corrosive; **UN:** 2922
Soluble in water; For determination of ammonia, urea
nitrogen and nonprotein nitrogen.

ChemAlert™
Storage Code
WHITE

Nitric Acid Solution, 0.1N (N/10) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SA94-1 |

HNO_3 mixture; CAS [7697-37-2, 7732-18-5];
Melting Point: 0°C (32°F); **Density:** 1g/mL;
0.0995 to 0.1005N; **ACID**

A volumetric standard solution, titrated at 25°C to
pH 8.2 (phenolphthalein endpoint) against sodium hydroxide, which has
been standardized against NIST™ potassium acid phthalate.

ChemAlert™
Storage Code
GRAY

Nitric Acid, 0.1N BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 1L | Narrow Mouth Amber Glass Bottle | 02003462 |

HNO_3 ; **FW.** 63.01; CAS [7697-37-2]; 0.1N Volumetric Solution

Nitric Acid, 0.1N (0.1M) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC178002 |

Liquid; HNO_3 ; **FW.** 63.01; CAS [7732-18-5, 7697-37-2]; **Density:** 1g/mL;
Clear, colorless solution; 0.1000N ± 0.0005N; Soluble in water

Nitric Acid (1+9) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | LC177302 |

Liquid; 10.0% v/v ± 0.5%; HNO_3 ; **FW.** 63.01 CAS [7732-18-5, 7697-37-2];
Density: 1.05g/mL; **DOT Class 8:** Corrosive; **UN:** 2031;
Clear, colorless solution; Soluble in water

Nitric Acid, 20%



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | 532632 |

Clear, Colorless to Pale-Yellow Liquid; CAS [7732-18-5, 7697-37-2];
20% (v/v); Aqueous Solution

Nitric Acid, 50%



| Quantity | Packaging | Cat. No. |
|----------|----------------------------------|----------|
| 1L | Amber Glass Safety Coated Bottle | 535032 |
| 2.50L | Glass Safety Coated Bottle | 53505PT |

Clear, Colorless to Pale-Yellow Liquid; CAS [7732-18-5, 7697-37-2];
50% (v/v); Aqueous Solution

Nitric Acid (1+1) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 2.5L | Clear Glass Bottle | LC177703 |

Liquid; 50% v/v ± 1%; HNO_3 ; **FW.** 63.01 CAS [7732-18-5, 7697-37-2];
Density: 1.25g/mL; **DOT Class 8:** Corrosive; **UN:** 2031;
Clear, colorless solution; Soluble in water

Nitrite (as Nitrogen) Standard Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 125mL | Poly Bottle | LC179207 |

Liquid; KNO_2 ; **FW.** 85.1; CAS [7732-18-5, 7758-09-0]; **Density:** 1g/mL;
Clear, colorless solution; 1000ppm ± 10ppm;
(1mL = 1mg N, 1mL = 3.28mg NO_2^-); Soluble in water

Oxalic Acid Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC180802 |

Liquid; 10.0% w/v ± 0.5%; $HO_2C_2O_2H$; **FW.** 90.04
CAS [7732-18-5, 6153-56-6]; Clear, colorless solution; For Silica;
Soluble in water

Perchloric Acid Solution Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | SP339-500 |

$ClHO_4$; CAS [64-19-7, 7601-90-3]; **Flash Point:** 40°C;
Density: 1.06g/mL; **DOT Class 8:** Corrosive; **UN:** 2920; **ACID**
0.0995 to 0.1005N; N/10 (0.1N);
Solubility in water: insoluble; For nonaqueous
titrations. In glacial acetic acid. Reference Standard: NIST™ potassium
acid phthalate.

Phenol/Chloroform/Isoamyl Alcohol (25:24:1), Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Glass Bottle | AC32711-5000 |

CAS [136112-00-0, 67-66-3, 123-51-3, 136112-00-0];
Density: 1.2800g/mL; **UN:** 2927
Stabilized, saturated with 100mM Tris-EDTA to pH 8.0

Phenol/TRIS Saturated Solution Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Glass Bottle | AC32712-5000 |

CAS [108-95-2, 77-86-1, 7732-18-5]; **UN:** 2810

Phenolphthalein Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC182001 |

Liquid; $C_{20}H_{14}O_4$; **FW:** 318.32; CAS [7732-18-5, 64-17-5, 67-63-0, 67-56-1, 77-09-8]; **Density:** 0.95g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1170; Clear, colorless to pink solution; 0.5% In 50% Ethanol; **pH:** 8.3 to 10.0; Soluble in water

Phenolphthalein Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC182101 |

Liquid; $C_{20}H_{14}O_4$; **FW:** 318.32 CAS [67-63-0, 7732-18-5, 77-09-8]; **DOT Class 3:** Flammable Liquid; **UN:** 1219; Clear, colorless to pink solution; 1% In 60% Isopropanol; **pH:** 8.3 to 10.0; Soluble in water

Phenolphthalein Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC182201 |
| 1L | Poly Bottle | LC182202 |

Liquid; $C_{20}H_{14}O_4$; **FW:** 318.32; CAS [64-17-5, 67-63-0, 67-56-1, 77-09-8]; **Density:** 0.95g/mL; **DOT Class 3:** UN: 1170; Clear, colorless to pink solution; 1% in 95% Ethanol; **pH:** 8.3 to 10.0; Soluble in water

Phenylarsine Oxide Solution Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SP68-1 |
| 4L | Glass Bottle | SP68-4 |

CAS [637-03-6, 1310-73-2, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; 0.00559 to 0.00569N; 0.00564N; **pH:** 6 to 7 (at 25°C)



Phenylarsine Oxide Solution Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | SP65-1 |

CAS [637-03-6, 1310-73-2, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; 0.024 to 0.026N; 0.025N; **pH:** 6 to 7 (at 25°C)



Phosphate Buffer Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC185404 |

Liquid; KH_2PO_4 ; **FW:** 136.09; CAS [7732-18-5, 7778-77-0, 7558-79-4, 6381-92-6, 7487-94-7]; **Density:** 1g/mL; Clear, colorless solution; For Chlorine, Chlorine Dioxide; **pH** 6.2 to 6.5; Soluble in water

Phosphate Buffer Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC185601 |

Liquid; KH_2PO_4 ; **FW:** 136.09; CAS [7732-18-5, 7758-11-4, 7778-77-0]; Clear, colorless solution; For Phenols; **pH** 6.8 ± 0.1; Soluble in water

Phosphoric Acid ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|--------------|
| 500mL | Glass Bottle, EcoSafPak™ | AC42404-5000 |
| 2.5L | Glass Bottle | AC42404-0025 |

Orthophosphoric Acid; H_3O_4P ; H_3PO_4 ; **FW:** 98.00; CAS [7664-38-2, 7732-18-5]; **Melting Point:** 21.0°C; **Boiling Point:** 158.0°C; **Density:** 1.6800g/mL; **UN:** 1805

Phosphoric Acid, (1+9) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC186501 |

Liquid; 10.0% ± 0.2% v/v; H_3PO_4 ; **FW:** 97.1; CAS [7732-18-5, 7664-38-2]; **DOT Class 8:** Corrosive; **UN:** 1805; Clear, colorless solution; Soluble in water

Picric Acid Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC186701 |
| 1L | Poly Bottle | LC186702 |

Liquid; $C_6H_3N_3O_7$; **FW:** 229.1; CAS [7732-18-5, 88-89-1]; **Density:** 1g/mL; Yellow solution; Saturated; Soluble in water

Picric Acid



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 500mL | Poly Natural Bottle | 586016 |
| 1L | Poly Natural Bottle | 586032 |

Clear, yellow liquid; CAS [7732-18-5, 88-89-1]; **Boiling Point:** Approx. 100°C; approximately 1.2% (w/v); **pH:** 1.5 to 2.0; Saturated Aqueous Solution

Platinum (IV) Chloride Solution



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25mL | Glass Bottle | SP119-25 |

Platinic Chloride Solution; $H_2Cl_6Pt \cdot xH_2O$; CAS [16941-12-1, 7647-01-0, 7732-18-5]; **Melting Point:** <0°C; **DOT Class 8:** Corrosive; **UN:** 3264; 10% w/v



Potassium Biiodate Solution Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SP340-1 |

CAS [13455-24-8, 64-02-8, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; 0.0248 to 0.0252N; 0.025N (N/40); Suitable for determination of dissolved oxygen.



Potassium tert-Butoxide Pure



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 2.5L | AcroSeal™ Glass Bottle | AC37122-0025 |

Colorless to yellow-orange solution; Potassium tert-Butylate; C_4H_9KO ; $(CH_3)_3COK$; **FW:** 112.21; CAS [865-47-4, 109-99-9]; **Flash Point:** -19°C; **Density:** 0.9020g/mL; **UN:** 2920; 0.95 to 1.10M

Potassium Chloride, 3.00M (3.00N) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC187951 |

Liquid; KCl; **FW.** 74.55; CAS [7732-18-5, 7447-40-7]; **Density:** 1.13g/mL; Clear, colorless solution; 3.00M ± 0.05M; Soluble in water

Potassium Chromate Solution



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SP152-500 |

5% w/v; Neutral Potassium Chromate; K₂CrO₄; **FW.** 194.19; CAS [7789-00-6, 7761-88-8, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1.03g/mL; Indicator for volumetric chloride determination. Formulated as for APHA.

ChemAlert® Storage Code GRAY

Potassium Dichromate Solution Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SP170-1 |

CAS [7778-50-9, 7732-18-5]; 0.0995 to 0.1005N; 0.1N (N/10);

ChemAlert® Storage Code BLUE

Potassium Dichromate ACS/EP/USP



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 500mL | Poly Natural Bottle | 606016 |
| 4L | Natural Bottle | 60601 |
| 20L | Cubitainer™ | 60605 |

Clear, Orange Liquid; CAS [7732-18-5, 7778-50-9]; 0.100N, 0.0167M

Potassium Fluoride Solution



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 20L | PolyPac™ | SP354-20 |

50% w/w; CAS [13455-21-5, 7732-18-5]; **DOT Class 6.1:** Poison; **UN:** 3287; **pH:** 8.0 to 8.2 (1:6 dilution); Soluble in water

ChemAlert® Storage Code BLUE

Potassium Fluoride Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 20L | Cubitainer™ | LC191105 |

Liquid; 50% w/v; KF; **FW.** 58.1 CAS [7732-18-5, 7789-23-3]; **Density:** 1.22g/mL; **Recommended Storage:** Room Temperature; clear, colorless solution; as Dihydrate; Soluble in water

Potassium Hydroxide, 0.1N (0.1M) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC195504 |

Liquid; KOH; **FW.** 56.11 CAS [67-63-0, 1310-58-3]; **DOT Class 3:** Flammable Liquid; **UN:** 1993; Clear, colorless solution; 0.1000N ± 0.0005N; in isopropanol; Soluble in water

Potassium Hydroxide Solution, 0.1N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|-----------|
| 500mL | Amber Glass Bottle | ST110-500 |

CAS [67-63-0, 1310-58-3]; **Melting Point:** -88.89°C; **Flash Point:** 15°C; **Boiling Point:** 82.78°C; **Density:** 0.8g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 2924; 0.0995 to 0.1005N; 0.1N, in isopropanol; Application: For use as a titration standard.

CAUSTIC ChemAlert® Storage Code RED

Potassium Hydroxide Solution, 0.1N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SP214-1 |

KOH; **FW.** 56.11; CAS [1310-58-3, 7732-18-5]; **Density:** 1.3g/mL; **DOT Class 8:** Corrosive; **UN:** 1814; 0.0995 to 0.1005N; 0.1N (N/10); Titrated at 25°C to pH 8.6 (phenolphthalein endpoint) against NIST™ potassium acid phthalate.

CAUSTIC ChemAlert® Storage Code WHITE

Potassium Hydroxide Solution, 0.1N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SP224-1 |
| 4L | Poly Bottle | SP224-P4 |

KOH; **FW.** 56.11; CAS [1310-58-3, 67-56-1, 7732-18-5]; **Melting Point:** -100°C (-148°F); **Flash Point:** 10°C; **Boiling Point:** 66.11°C; **Density:** 0.8g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 2924; 0.0995 to 0.1005N; 0.1N (N/10), in methanol; Titrated at 25°C to pH 8.2 (phenolphthalein endpoint) against standardized HCl. Components: Methyl Alcohol (92.5-99.0%), Potassium Hydroxide (0.75-7.5%), and Water (0.6-6.0%)

CAUSTIC ChemAlert® Storage Code RED

Potassium Hydroxide Solution, 0.5N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SP222-1 |
| 20L | PolyPac™ | SP222-20 |

KOH; **FW.** 56.11; CAS [1310-58-3, 67-56-1, 7732-18-5]; **Melting Point:** -100°C (-148°F); **Flash Point:** 11°C; **Boiling Point:** 66.11°C; **Density:** 0.8g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 2924; 0.497 to 0.500N; 0.5N (N/2), in methanol; Titrated at 25°C to pH 8.2 (phenolphthalein endpoint) against standardized HCl.

CAUSTIC ChemAlert® Storage Code RED

Potassium Hydroxide, 0.5N BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 1L | Narrow Mouth Poly Bottle | 02003686 |

KOH; **FW.** 56.11; CAS [1310-58-3]; **Flash Point:** 13.00°C; 0.5N in Ethanol Volumetric Solution, the titer found falls within the range 0.980mg to 1.020mg CaCO₃/mL

Potassium Hydroxide, 0.5N (0.5M) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | LC195602 |

Liquid; KOH; **FW.** 56.11 CAS [64-17-5, 67-63-0, 67-56-1, 1310-58-3]; **DOT Class 8:** Corrosive; **DOT Class 3:** Flammable Liquid; **UN:** 2924; Clear, colorless to light orange solution; 0.500N ± 0.005N; in ethanol; Soluble in water

Potassium Hydroxide Solution, 1N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SP208-500 |

FW. 56.11; CAS [1310-58-3, 7732-18-5]; **Density:** 1.3g/mL; **DOT Class 8:** Corrosive; **UN:** 1814; 0.995 to 1.005N; 1N; Titrated at 25°C to pH 8.6 (phenolphthalein endpoint) against NIST™ potassium acid phthalate.

CAUSTIC ChemAlert® Storage Code WHITE

Potassium Hydroxide Solution, 1N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SP220-1 |

KOH; **F.W.** 56.11; CAS [1310-58-3, 67-56-1, 7732-18-5]; **Melting Point:** -100°C (-148°F); **Flash Point:** 11°C; **Boiling Point:** 66.11°C; **Density:** 0.8g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 2924; 0.995 to 1.005N; 1N, in methanol; Titrated at 25°C to pH 8.2 (phenolphthalein endpoint) against standardized HCl.



Potassium Hydroxide, 1.00N



| Quantity | Packaging | Cat. No. |
|----------|------------------------|----------|
| 1L | Plastic Plastic Bottle | 626232 |
| 4L | Plastic Plastic Bottle | 62621 |

1.00N; Colorless; Liquid; CAS [1310-58-3, 67-56-1, 7732-18-5]; pH: >13; **Boiling Point:** ~64.5°C; **Flash Point:** 11°C (Methanol); **Density:** 0.8g/mL; **Solubility:** Miscible; **UN:** 2924

Potassium Hydroxide, 8N Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10L | Plastic Drum | AC38062-0100 |

HKO; KOH; **F.W.** 56.11; CAS [1310-58-3, 7732-18-5]; **Density:** 1.3260g/mL; **UN:** 1814

Potassium Hydroxide Solution, 36-42% Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SP226-1 |

36 to 42%; Caustic Potash Solution; KOH; **F.W.** 56.11; CAS [1310-58-3, 7732-18-5]; **DOT Class 8:** Corrosive; **UN:** 1814; CO₂ Absorbent; For determination of carbon dioxide in gas analysis.



Potassium Hydroxide Solution, 45% BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|----------------------|----------|
| 4L | Poly Bottle | 02003768 |
| 19L | Jerrican (Poly Pail) | 02003769 |

45%(w/w); KOH; **F.W.** 56.11 CAS [1310-58-3]

Potassium Hydroxide, >45% Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC192504 |

Liquid; >45.0% w/w; Caustic Potash; KOH; **F.W.** 56.11; CAS [7732-18-5, 1310-58-3]; **Density:** 1.44g/mL; **DOT Class 8:** Corrosive; **UN:** 1814; Clear, colorless solution; Soluble in water

Potassium Hydroxide Solution, 50%



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 500mL | Poly Natural Bottle | 616016 |
| 1L | Poly Natural Bottle | 616032 |
| 4L | Poly Natural Bottle | 61601 |

KOH; **F.W.** 56.11; CAS [1310-58-3]; Suitable for Orsat Gas Analysis; 50% (w/v)

Potassium Iodate Solution Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SP232-1 |

CAS [7758-05-6, 64-02-8, 7732-18-5]; **Melting Point:** 100°C (212°F); **Density:** 1g/mL; 0.0995 to 0.1005N; 0.1N (N/10); Oxidimetric standard.



Potassium Iodide Solution Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SP241-1 |

5% w/v; CAS [7681-11-0, 7732-18-5]; **Density:** 0.7g/mL; Soluble in water



Potassium Iodide Solution



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | SP242-500 |
| 1L | Glass Bottle | SP242-1 |
| 4L | Glass Bottle | SP242-4 |

10% w/v; CAS [7681-11-0, 7732-18-5]; **Density:** 0.7g/mL; Soluble in water



Potassium Iodide Solution Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC197604 |

Liquid; 10.0% w/v ± 0.4% w/v; KI; **F.W.** 166; CAS [7732-18-5, 7681-11-0]; **Density:** 1.07g/mL; Protect from light; clear to slightly yellow solution; Soluble in water

Potassium Permanganate Solution, 0.1N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SP288-1 |
| 4L | Glass Bottle | SP288-4 |

CAS [7722-64-7, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; 0.0995 to 0.1005N; 0.1N (N/10); Titrated at 25°C against NIST™ sodium oxalate.



Potassium Permanganate, 0.1N (0.02M) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | LC199804 |

Liquid; KMnO₄; **F.W.** 158.04; CAS [7732-18-5, 7722-64-7]; **Density:** 1g/mL; Dark purple solution; 0.1000N ± 0.0005N; Soluble in water

Potassium Permanganate Solution, 1N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SP282-1 |
| 4L | Glass Bottle | SP282-4 |

CAS [7722-64-7, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 3139; 0.995 to 1.005N; 1N; Traceable to NIST™



Potassium Thiocyanate ACS Volumetric Solution



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 1L | Poly Natural Bottle | 6580-32 |
| 4L | Poly Natural Bottle | 6580-1 |
| 20L | Cubitainer™ | 6580-5 |

Clear colorless liquid; CAS [7732-18-5, 333-20-0]; 0.100N

Propargyl Bromide



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC13148-0010 |

80 wt.% solution in toluene, stabilized; 3-Bromopropyne; C₃H₃Br; **FW**, 118.96; CAS [106-96-7, 108-88-3]; **Flash Point**: 4°C; **Boiling Point**: 88.0°C to 90.0°C; **Density**: 1.3800g/mL; **Refractive Index**: 1.4900 to 1.4960; Solubility in water: immiscible

Pyridine-Barbituric Acid Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 500mL | Amber Glass Bottle | 658416 |
| 1L | Amber Glass Bottle | 658432 |

Clear, golden colored liquid; CAS [7732-18-5, 110-86-1, 7647-01-0, 67-52-7]; Six-month month shelf life, refrigerated

Pyridine-Barbituric Acid Reagent Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 500mL | Amber Glass Bottle | LC221901 |

Liquid; C₅H₅N; **FW**, 79.1; CAS [7732-18-5, 110-86-1, 67-52-7, 7647-01-0]; Light amber solution; For Cyanide; Soluble in water

Silver Nitrate Solution, 0.0141N APHA



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SS82-1 |

Nitric Acid Silver (1+) Salt; CAS [7761-88-8, 7732-18-5]; **Density**: 1g/mL; **DOT Class 5.1**: Oxidizer; **UN**: 1493; 1mL = 0.5mg Cl; 0.0141N; For chloride determination in water analysis. Standardized at 25°C.



Silver Nitrate, 0.0855N



| Quantity | Packaging | Cat. No. |
|----------|----------------------|----------|
| 1L | Amber Plastic Bottle | 698032 |
| 4L | Amber Plastic Bottle | 69801 |
| 20L | Cubitainer™ | 69805 |

Colorless Liquid; CAS [7761-88-8, 7732-18-5]; pH: ~6; Melting Point: ~0°C; Boiling Point: ~100°C; Density: 1.02; Solubility: Miscible; UN: 3082

Silver Nitrate Solution, 0.1N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | SS72-500 |
| 1L | Glass Bottle | SS72-1 |
| 4L | Glass Bottle | SS72-4 |
| 20L | PolyPac™ | SS72-20 |

CAS [7761-88-8, 7732-18-5]; **Density**: 0.7g/mL; **DOT Class 5.1**: Oxidizer; **UN**: 1493; 0.0995 to 0.1005N; 0.1N (N/10); Solubility in water: Soluble Standardized at 25°C against NIST™ potassium chloride.



Silver Nitrate, 0.1N BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------|----------|
| 4L | Narrow Mouth Amber Glass Bottle | 02003926 |

AgNO₃; **FW**, 169.87; CAS [7761-88-8]; 0.1 N Volumetric Solution

Silver Nitrate, 0.1N (0.1M) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | LC227002 |
| 4L | Amber Glass Bottle | LC227004 |
| 20L | Cubitainer™ | LC227005 |

Liquid; AgNO₃; **FW**, 169.87; CAS [7732-18-5, 7761-88-8]; **Density**: 1g/mL; Clear, colorless solution; 0.1000N ± 0.0005N; Soluble in water

Silver Nitrate, 0.141N



| Quantity | Packaging | Cat. No. |
|----------|-------------------|----------|
| 1L | Amber Poly Bottle | 700232 |
| 4L | Amber Poly Bottle | 70021 |

CAS [7732-18-5, 7761-88-8]; 1mL = 5mg Cl; ASTM for Chloride; 0.141N

Silver Nitrate, 0.171N (0.171M) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | LC227204 |

Liquid; AgNO₃; **FW**, 169.87 CAS [7732-18-5, 7761-88-8]; **Density**: 1g/mL; Clear, colorless solution; 0.171N ± 0.002N; 1mL = 10mg NaCl; Soluble in water

Silver Nitrate Solution, 1N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | SS68-500 |

AgNO₃; H₂O; CAS [7761-88-8, 7732-18-5]; **Boiling Point**: 444°C; **Density**: 1g/mL; **DOT Class 5.1**: Oxidizer; **UN**: 1493; 0.995 to 1.005N; 1N; Standardized at 25°C against NIST™ potassium chloride.



Sodium Azide



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC229402 |

Liquid; 0.5% w/v; NaN₃; **FW**, 65.01; CAS [7732-18-5, 26628-22-8]; **Density**: 1g/mL; Clear, colorless solution; For Chromium; Soluble in water

Sodium Carbonate Solution Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SS148-1 |

CAS [5968-11-6, 7732-18-5]; **Melting Point**: 0°C (32°F); 0.995 to 1.005N; 1N; A volumetric Standard Solution, titrated at 25°C to pH 4.1 (Methyl Orange endpoint) against NIST™ Potassium Acid Phthalate.



Sodium Carbonate



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 500mL | Poly Natural Bottle | 716016 |
| 1L | Poly Natural Bottle | 716032 |

CAS [7732-18-5, 497-19-8]; 10% (w/v); Aqueous Solution

Sodium Chloride Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 20L | Cubitainer™ | 7213095 |

Clear colorless liquid; CAS [7732-18-5, 7647-14-5]; **Boiling Point:** Approx. 100.1; **pH:** 6.7 to 7.3; **Shelf Life:** 24 months

Sodium Chloride

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC234602 |

Liquid; 0.900% w/v ± 0.006%; NaCl; **FW:** 58.44; CAS [7732-18-5, 7647-14-5]; Clear, colorless solution; Nonsterile; Soluble in water

Sodium Chloride, 0.9% (w/w)



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 500mL | Poly Natural Bottle | 721016 |
| 1L | Poly Natural Bottle | 721032 |
| 4L | Poly Natural Bottle | 72101 |
| 10L | Cubitainer™ | 721025 |
| 20L | Cubitainer™ | 72105 |

Isotonic Saline; Suitable for Use as Blood Bank Saline; Colorless Liquid; CAS [7647-14-5, 7732-18-5]; Odorless; pH: 6.7 to 7.3; Melting Point: 0.0°C; Boiling Point: 100°C; Density 1.01g/mL; Solubility: Miscible

Sodium Chloride Standard, 1.00% (w/w)



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 500mL | Poly Natural Bottle | 721316 |

CAS [7732-18-5, 7647-14-5]; 1.00% (w/w); Aqueous Solution; Colorless Liquid; CAS [7647-04-5, 7732-18-5]; Odorless; pH: 6.7 to 7.3; Melting Point 0.0°C; Boiling Point: 100°C

Sodium Hydroxide Solution, 0.01N

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SS284-1 |
| 4L | Poly Bottle | SS284-4 |

Caustic Soda Solution; CAS [1310-73-2, 7732-18-5]; **DOT Class 8:** Corrosive; **UN:** 1824; 0.0100 to 0.0101N; 0.01N (N/100) **CAUSTIC**

A volumetric standard solution, titrated at 25°C to pH 8.6 (phenolphthalein endpoint) against NIST™ potassium acid phthalate.

Sodium Hydroxide Solution, 0.02N

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SS282-1 |
| 4L | Poly Bottle | SS282-4 |

Caustic Soda Solution; CAS [1310-73-2, 7732-18-5]; **DOT Class 8:** Corrosive; **UN:** 1824; 0.0198 to 0.0202N; 0.02N (N/50) **CAUSTIC**

A volumetric standard solution, titrated at 25°C to pH 8.6 (phenolphthalein endpoint) against NIST™ potassium acid phthalate.

Sodium Hydroxide Solution, 0.05N

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SS278-1 |

Caustic Soda Solution; CAS [1310-73-2, 7732-18-5]; **DOT Class 8:** Corrosive; **UN:** 1824; 0.0498 to 0.0502N; 0.05N (N/20) **CAUSTIC**

A volumetric standard solution, titrated at 25°C to pH 8.6 (phenolphthalein endpoint) against NIST™ potassium acid phthalate.

Sodium Hydroxide Solution, 0.1N

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SS276-1 |
| 4L | Poly Bottle | SS276-4 |
| 20L | PolyPac™ | SS276-20 |

Caustic Soda Solution; CAS [1310-73-2, 7732-18-5]; **DOT Class 8:** Corrosive; **UN:** 1824; 0.0995 to 0.1005N; 0.1N (N/10) **CAUSTIC**

A volumetric standard solution, titrated at 25°C to pH 8.6 (phenolphthalein endpoint) against NIST™ potassium acid phthalate.

Sodium Hydroxide, 0.1N



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 1L | Plastic Bottle | AC12419-0010 |

Caustic soda; HNaO; NaOH; **FW:** 40.00 CAS [1310-73-2, 7732-18-5]; **Density:** 1.0000g/mL; Solubility in water: soluble. Other solubilities: soluble in alcohol and glycerol

Sodium Hydroxide, 0.1N (0.1M)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC242702 |
| 4L | Poly Bottle | LC242704 |
| 20L | Cubitainer™ | LC242705 |

Liquid; Caustic Soda; NaOH; **FW:** 40; CAS [7732-18-5, 1310-73-2]; **Density:** 1g/mL; Clear, colorless solution; 0.1000N ± 0.0005N; Soluble in water

Sodium Hydroxide, 0.1N

BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 1L | Narrow Mouth Poly Bottle | 02004109 |

NaOH; **FW:** 40; CAS [1310-73-2]; 0.1N Volumetric Solution

Sodium Hydroxide Solution, 0.2N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SS274-1 |
| 4L | Poly Bottle | SS274-4 |

Caustic Soda Solution; NaOH; CAS [1310-73-2, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; **DOT Class 8:** Corrosive; **UN:** 1824; 0.2N (N/5); Soluble in water
A volumetric standard solution, titrated at 25°C to pH 8.6 (phenolphthalein endpoint) against NIST™ potassium acid phthalate.



Sodium Hydroxide, 0.2N (0.2M) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC242804 |

Liquid; Caustic Soda; NaOH; **FW:** 40; CAS [7732-18-5, 1310-73-2]; **Density:** 1.01g/mL; **DOT Class 8:** Corrosive; **UN:** 1824; Clear, colorless solution; 0.200N ± 0.001N; Soluble in water

Sodium Hydroxide Solution, 0.25N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SS272-1 |
| 20L | PolyPac™ | SS272-20 |

Caustic Soda Solution; NaOH; CAS [1310-73-2, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; **DOT Class 8:** Corrosive; **UN:** 1824; 0.2495 to 0.2505N; 0.25N (N/4); Soluble in water
A volumetric standard solution, titrated at 25°C to pH 8.6 (phenolphthalein endpoint) against NIST™ potassium acid phthalate.



Sodium Hydroxide, 0.3125N



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Poly Natural | 73741 |

CAS [1310-73-2 (Sodium Hydroxide), 7732-18-5 (Water, deionized)]; Suitable for USDA Acidity Testing in Citrus Products; 0.3125N

Sodium Hydroxide, 0.313N



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Poly Natural | 73751 |
| 20L | Cubiteiner™ | 73755 |

Clear colorless liquid; CAS [7732-18-5, 1310-73-2]; 0.313N (12.5g/L)

Sodium Hydroxide Solution, 0.5N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SS270-1 |
| 4L | Poly Bottle | SS270-4 |
| 20L | PolyPac™ | SS270-20 |

Caustic Soda Solution; CAS [1310-73-2, 7732-18-5]; **Melting Point:** >0°C; **Density:** >1.0; **DOT Class 8:** Corrosive; **UN:** 1824; 0.498 to 0.502N; 0.5N (N/2); Soluble in water
A volumetric standard solution, titrated at 25°C to pH 8.6 (phenolphthalein endpoint) against NIST™ potassium acid phthalate.



Sodium Hydroxide, 0.5N (0.5M) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC243302 |
| 4L | Poly Bottle | LC243304 |
| 20L | Cubiteiner™ | LC243305 |

Liquid; Caustic Soda; NaOH; **FW:** 40; CAS [7732-18-5, 1310-73-2]; **Density:** 1.02g/mL; **DOT Class 8:** Corrosive; **UN:** 1824; Clear, colorless solution; 0.5000N ± 0.0030N; Soluble in water

Sodium Hydroxide Solution, 1N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SS266-1 |
| 4L | Poly Bottle | SS266-4 |
| 20L | PolyPac™ | SS266-20 |

Caustic Soda Solution; CAS [1310-73-2, 7732-18-5]; **Melting Point:** >0°C; **Density:** >1.0; **DOT Class 8:** Corrosive; **UN:** 1824; 0.995 to 1.005N; 1N; Soluble in water; Volumetric standard solution, titrated at 25°C to pH 8.6 (phenolphthalein endpoint) against NIST™ potassium acid phthalate.



Sodium Hydroxide, 1.0N (1.0M) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC243502 |
| 4L | Poly Bottle | LC243504 |
| 20L | Cubiteiner™ | LC243505 |

Liquid; Caustic Soda; NaOH; **FW:** 40; CAS [7732-18-5, 1310-73-2]; **Density:** 1.04g/mL; **DOT Class 8:** Corrosive; **UN:** 1824; Clear, colorless solution; 1.000N ± 0.005N; Soluble in water

Sodium Hydroxide, 1N



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Plastic Drum | AC12426-0010 |

Caustic Soda; HNaO; NaOH; **FW:** 40.00; CAS [1310-73-2, 7732-18-5]; **Density:** 1.0400g/mL; Solubility in water: soluble. Other solubilities: soluble in alcohol and glycerol

Sodium Hydroxide, 1N BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 1L | Narrow Mouth Poly Bottle | 02004129 |
| 20L | Cubiteiner | 02004128 |

NaOH; **FW:** 40; CAS [1310-73-2]; 1N Volumetric Solution

Sodium Hydroxide Solution, 2N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SS264-1 |

Caustic Soda Solution; NaOH; CAS [1310-73-2, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; **DOT Class 8:** Corrosive; **UN:** 1824; 1.98 to 2.02; 2N; A volumetric standard solution, titrated at 25°C to pH 8.6 (phenolphthalein endpoint) against NIST™ potassium acid phthalate.



Sodium Hydroxide, 2.0N (2.0M) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC243804 |

Liquid; Caustic Soda; NaOH; **FW:** 40; CAS [7732-18-5, 1310-73-2];
Density: 1.08g/mL; **DOT Class 8:** Corrosive; **UN:** 1824;
 Clear, colorless solution; 2.00N ± 0.02N; Soluble in water

Sodium Hydroxide Solution, 5N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SS256-500 |

Caustic Soda Solution; NaOH;
 CAS [1310-73-2, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL;
DOT Class 8: Corrosive; **UN:** 1824; 5N;
 A volumetric standard solution, titrated at 25°C to pH 8.6
 (phenolphthalein endpoint) against NIST™ potassium acid phthalate.



Sodium Hydroxide, 5N BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|----------|
| 1L | Narrow Mouth Poly Bottle | 02004148 |

NaOH; **FW:** 40; CAS [1310-73-2]; 5N Volumetric Solution

Titristar™ Sodium Hydroxide Solution, 5N ± 0.020N



| Quantity | Packaging | Cat. No. |
|----------|----------------|-----------|
| 1L | Plastic Bottle | MSX0607L6 |

Clear Colorless Liquid; NaOH in water; **FW:** 40.00; 5.0N;
 For General Chemistry; Storage: Expires 18 Months from
 Manufacturing Date

Sodium Hydroxide Solution, 6.25N



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SS263-500 |

Caustic Soda Solution; NaOH;
 CAS [1310-73-2, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL;
DOT Class 8: Corrosive; **UN:** 1824; 6.25N



Sodium Hydroxide Solution, 10N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SS255-1 |
| 4L | Poly Bottle | SS255-4 |
| 20L | Poly Pail | SS255-20 |

Caustic Soda Solution; NaOH; CAS [1310-73-2,
 7732-18-5]; **Melting Point:** 0°C (32°F);
Density: 1.32g/mL; **DOT Class 8:** Corrosive;
UN: 1824; 10N;
 For Kjeldahl nitrogen determinations.
 A volumetric Standard Solution, titrated at 25°C to pH 8.6
 (phenolphthalein endpoint) against NIST™ Potassium Acid Phthalate.



Sodium Hydroxide, 10.0N (10.0M) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC245002 |

Liquid; Caustic Soda; NaOH; **FW:** 40; CAS [7732-18-5, 1310-73-2];
Density: 1.33g/mL; **DOT Class 8:** Corrosive; **UN:** 1824;
 Clear, colorless solution; 10.0N ± 0.2N; Soluble in water

Sodium Hydroxide, 10N BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | 02004126 |
| 4L | Cubitainer | 02004125 |

NaOH; **FW:** 40; CAS [1310-73-2]; Material will freeze if stored below
 41°F (5°C); 10N Volumetric Solution

Sodium Hydroxide, 10.0N



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 1L | Poly Natural Bottle | 747032 |
| 4L | Poly Natural Bottle | 74701 |
| 20L | Cubitainer™ | 74705 |

Colorless Liquid; CAS [1310-73-2; 7732-18-5]; pH: >13;
Melting Point: -0°C; **Boiling Point:** 100°C;
Vapor Pressure: 13 mmHg @ 60°C; **Density:** 1.33; **UN:** 1824

Sodium Hydroxide, 20% Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC240904 |

Liquid; 20.0% w/v ± 0.5% w/v; Caustic Soda; NaOH; **FW:** 40;
 CAS [7732-18-5, 1310-73-2]; **Density:** 1.18g/mL; **DOT Class 8:** Corrosive;
UN: 1824; Clear, colorless solution; Soluble in water

Sodium Hydroxide, 30%



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 1L | Poly Natural Bottle | 727432 |
| 4L | Poly Natural Bottle | 72741 |
| 20L | Cubitainer™ | 72745 |

CAS [7732-18-5, 1310-73-2]; 30% (w/v); Aqueous Solution

Sodium Hydroxide Solution, 40%



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | SS411-4 |
| 10L | PolyPac™ | SS411-10 |

Caustic Soda Solution; CAS [1310-73-2, 7732-18-5];
Melting Point: 5° to 10.6°C (41° to 51.1°F);
Boiling Point: 141.7°C; **Density:** >1.0;
DOT Class 8: Corrosive; **UN:** 1824; 40% (w/w);
 Soluble in water; For Kjeldahl nitrogen determinations.



Sodium Hydroxide Solution, 40%



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 4L | Poly Natural Bottle | 72801 |
| 20L | Cubitainer™ | 72805 |

Suitable for Kjeldahl Nitrogen Analysis; 40% (w/v), Nitrogen Free;
 Aqueous Solution

Sodium Hydroxide Solution, 50% Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SS254-500 |
| 1L | Poly Bottle | SS254-1 |
| 4L | Poly Bottle | SS254-4 |
| 20L | Poly Pail | SS254-20 |
| 200L | Poly Drum | SS254-200 |

Caustic Soda Solution; CAS [1310-73-2, 7732-18-5];
Melting Point: 5° to 10.6°C (41° to 51.1°F);
Boiling Point: 141.7°C; **Density:** >1.0;
DOT Class 8: Corrosive; **UN:** 1824; 50% (w/w);
 Soluble in water



Sodium Hydroxide Solution, 50%



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | SS410-4 |
| 20L | Poly Pail | SS410-20 |

Caustic Soda Solution; CAS [1310-73-2, 7732-18-5];
Melting Point: 5° to 10.6°C (41° to 51.1°F);
Boiling Point: 141.7°C; **Density:** >1.0;
DOT Class 8: Corrosive; **UN:** 1824; 50% (w/w);
 Soluble in water; For Kjeldahl nitrogen determinations.
 Suitable for AOAC.



Sodium Hydroxide, 50% Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5L | Plastic Drum | AC25986-0025 |

Caustic soda solution; HNaO; NaOH; **FW:** 40.00; CAS [1310-73-2, 7732-18-5]; **Melting Point:** 12°C; **Boiling Point:** 145.0°C;
Density: 1.5000g/mL; **UN:** 1824

Sodium Hydroxide Solution, 50% BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|-----------------------|----------|
| 4L | Poly Bottle | 02004143 |
| 19L | Jerri can (Poly Pail) | 02004142 |

50%(w/w); NaOH; **FW:** 40; CAS [1310-73-2]

Sodium Hydroxide, 50% Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC241404 |

Liquid; 50% w/v ± 1%; Caustic Soda; NaOH; **FW:** 40;
 CAS [7732-18-5, 1310-73-2]; **DOT Class 8:** Corrosive; **UN:** 1824;
 Clear, colorless solution; Soluble in water

Sodium Hydroxide, 50% Certified Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC241504 |

Liquid; 50.0% w/w ± 1.0%; Caustic Soda; NaOH; **FW:** 40;
 CAS [7732-18-5, 1310-73-2]; **Melting Point:** 12°C; **Boiling Point:** 143°C;
Density: 1525kg/m³; **DOT Class 8:** Corrosive; **UN:** 1824;
 Clear, colorless solution; Soluble in water

Sodium Hypochlorite Solution Laboratory Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SS290-1 |
| 4L | Poly Bottle | SS290-4 |

NaOCl; **FW:** 74.44; CAS [7681-52-9, 7732-18-5];
Melting Point: 0°C (32°F); **Density:** 1.1g/mL;
DOT Class 8: Corrosive; **UN:** 1791; 5.65-6%



Sodium Hypochlorite Solution BAKER ANALYZED™ Reagent



| Quantity | Packaging | Cat. No. |
|----------|-----------------------------|----------|
| 4L | Pressure Bottom Poly Bottle | 02003947 |

5% Available Chlorine; NaOCl; **FW:** 74.44; CAS [7681-52-9]

Sodium Lactate



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | S326-500 |

Syrup; Lactic Acid Sodium Salt; C₃H₅NaO₃; CH₃CH(OH)COONa;
FW: 112.06; CAS [72-17-3, 7732-18-5]; **Melting Point:** 17.22°C;
Boiling Point: 140.00°C; **Density:** 1.3g/mL; Syrup, 60% (w/w)



Sodium Methoxide Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 2.5L | Glass Bottle | AC41960-0025 |

Sodium methylate; CH₃NaO; CH₃ONa; **FW:** 54.02;
 CAS [124-41-4, 67-56-1]; **Melting Point:** -98.0°C; **Flash Point:** 11°C;
Boiling Point: 65.0°C; **Density:** 0.8000g/mL; **UN:** 1992;
 Solubility in water: reacts.

Sodium Silicate Solution Technical Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SS338-1 |
| 4L | Glass Bottle | SS338-4 |

Soda Water Glass,, Soluble Glass; CAS [1344-09-8 (40%), 7732-18-5 (60%)]; **Melting Point:** -0.56°C; **Density:** 0.7g/mL;
DOT Class 8: Corrosive; **UN:** 3266; Soluble in water



Sodium Thiosulfate, 0.01N (0.01M) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC250002 |

Liquid; Na₂S₂O₃·5H₂O; **FW:** 248.18;
 CAS [7732-18-5, 10102-17-7, 497-19-8]; Clear, colorless solution;
 0.0100N ± 0.0001N; Soluble in water

Sodium Thiosulfate, 0.1N (0.1M) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC250602 |
| 4L | Poly Bottle | LC250604 |

Liquid; Na₂S₂O₃·5H₂O; **FW:** 248.18;
 CAS [7732-18-5, 10102-17-7, 497-19-8]; Clear, colorless solution;
 0.1000N ± 0.0005N; Soluble in water

Sodium Thiosulfate Pentahydrate, 0.025N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SS370-1 |

CAS [10102-17-7, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; 0.0248 to 0.0252N; 0.025N (N/40); 7 min. (at 25°C); Solubility in water: Soluble; Standardized at 25°C against NIST™ potassium dichromate.



Sodium Thiosulfate Pentahydrate, 0.0375N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SS371-1 |

CAS [10102-17-7, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; 0.037 to 0.038N; 0.0375N; Solubility in water: Soluble Standardized at 25°C against NIST™ potassium dichromate.



Sodium Thiosulfate Pentahydrate, 0.1N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SS368-1 |
| 4L | Poly Bottle | SS368-4 |
| 20L | PolyPac™ | SS368-20 |

CAS [10102-17-7, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; 0.0995 to 0.1005N; 0.1N (N/10); 7 min. (at 25°C); Solubility in water: Soluble Standardized at 25°C against NIST™ potassium dichromate.



Starch Indicator Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC253102 |
| 4L | Poly Bottle | LC253104 |

Liquid; 1%; CAS [7732-18-5, 9005-25-8, 69-72-7]; **Density:** 1g/mL; Slightly opaque colorless to pink solution; Preserved with Salicylic Acid (Mercury Free); Soluble in water

Starch Solution



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SS408-1 |
| 4L | Poly Bottle | SS408-4 |

(C₆H₁₀O₅)_n; CAS [9005-25-8, 64-19-7, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; Stabilized; For iodometry.



Sulfuric Acid Solution, 0.02N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SA226-1 |
| 4L | Poly Bottle | SA226-4 |
| 20L | PolyPac™ | SA226-20 |

CAS [7664-93-9, 7732-18-5, 50-00-0]; **DOT Class 8:** Corrosive; **UN:** 2796; 0.0198 to 0.0202N; 0.02N (N/50); Soluble in water; Standardized to pH 4.4 at 25°C against sodium hydroxide that has been standardized against NIST™ potassium acid phthalate.



Sulfuric Acid, 0.02N (0.01M) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC256602 |
| 4L | Poly Bottle | LC256604 |

Liquid; H₂SO₄; **FW:** 98.08; CAS [7732-18-5, 7664-93-9]; **Density:** 1g/mL; Clear, colorless solution; 0.0200N ± 0.0002N; Soluble in water;

Sulfuric Acid Solution, 0.1N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SA220-1 |
| 4L | Poly Bottle | SA220-4 |
| 20L | PolyPac™ | SA220-20 |

CAS [7664-93-9, 7732-18-5]; **Density:** >1.0; **DOT Class 8:** Corrosive; **UN:** 2796; 0.0995 to 0.1005N; 0.1N (N/10); Soluble in water; Standardized to pH 4.4 at 25°C against sodium hydroxide that has been standardized against NIST™ potassium acid phthalate.



Sulfuric Acid, 0.1N (0.05M) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC256802 |
| 4L | Poly Bottle | LC256804 |

Liquid; H₂SO₄; **FW:** 98.08; CAS [7732-18-5, 7664-93-9]; **Density:** 1g/mL; Clear, colorless solution; 0.1000N ± 0.0005N; Soluble in water

Sulfuric Acid Solution, 0.2N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SA218-1 |

CAS [7664-93-9, 7732-18-5]; **Density:** >1.0; **DOT Class 8:** Corrosive; **UN:** 2796; 0.1990 to 0.2010N; 0.2N (N/5); Soluble in water; Standardized to pH 4.4 at 25°C against sodium hydroxide that has been standardized against NIST™ potassium acid phthalate.



Sulfuric Acid, 0.255N



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 20L | Cubitainer™ | 82725 |

H₂SO₄; CAS [7664-93-9 (Sulfuric Acid), 7732-18-5 (Water, Deionized)]; **Application:** Suitable for Crude Fiber Analysis of Food and Feed

Sulfuric Acid Solution, 0.5N Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SA215-1 |
| 4L | Poly Bottle | SA215-4 |

CAS [7664-93-9, 7732-18-5]; **Density:** >1.0; **DOT Class 8:** Corrosive; **UN:** 2796; 0.498 to 0.500N; 0.5N (N/2); Soluble in water; Standardized to pH 4.4 at 25°C against sodium hydroxide that has been standardized against NIST™ potassium acid phthalate.



Sulfuric Acid Solution, 1N

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | SA212-1 |
| 4L | Poly Bottle | SA212-4 |
| 20L | PolyPac™ | SA212-20 |

CAS [7664-93-9, 7732-18-5]; **Density:** >1.0; **DOT Class 8:** Corrosive; **UN:** 2796; 0.995 to 1.005N; 1N; Soluble in water; Standardized to pH 4.4 at 25°C against sodium hydroxide that has been standardized against NIST™ potassium acid phthalate.

ACID

ChemAlert®
Storage Code
WHITE

Sulfuric Acid Standard Solution, 1N (0.5M)



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 1L | Plastic Bottle | AC12424-0010 |

H₂O₂; H₂SO₄; **FW:** 98.08; CAS [7664-93-9, 7732-18-5]; **Boiling Point:** 100.0°C; **UN:** 2796; Clear colorless solution; 0.998 to 1.002 N (20°C) Solubility in water: miscible. Other solubilities: miscible with alcohol (generation of heat)

Sulfuric Acid, 1.0N (0.5M)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC257701 |
| 1L | Poly Bottle | LC257702 |
| 4L | Poly Bottle | LC257704 |

Liquid; H₂SO₄; **FW:** 98.08; CAS [7732-18-5, 7664-93-9]; **Density:** 1.03g/mL; **DOT Class 8:** Corrosive; **UN:** 2796; Clear, colorless solution; 1.000N ± 0.005N; Soluble in water

Sulfuric Acid, 2.0N (1.0M)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC257902 |

Liquid; H₂SO₄; **FW:** 98.08; CAS [7732-18-5, 7664-93-9]; **Density:** 1.06g/mL; **DOT Class 8:** Corrosive; **UN:** 2796; Clear, colorless solution; 2.00N ± 0.02N; Soluble in water

Sulfuric Acid, 2N



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 1L | Poly Natural Bottle | 831032 |

Clear colorless liquid; CAS [7732-18-5, 7664-93-9]; **Melting Point:** 0°C; **Boiling Point:** Approx. 100°C; 2.00N; **Solubility:** Infinite

Sulfuric Acid Solution, 2.5N

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SA208-1 |

Oil of Vitriol; CAS [7664-93-9, 7732-18-5]; **Density:** 1.0g/mL; **DOT Class 8:** Corrosive; **UN:** 2796 2.5N; Soluble in water; Standardized to pH 4.4 at 25°C against sodium hydroxide that has been standardized against NIST™ potassium acid phthalate.

ACID

ChemAlert®
Storage Code
WHITE

Sulfuric Acid Solution, 4N



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | SA818-500 |
| 1L | Poly Bottle | SA818-1 |
| 4L | Poly Bottle | SA818-4 |
| 20L | PolyPac™ | SA818-20 |

H₂SO₄; CAS [7664-93-9, 7732-18-5]; **Melting Point:** 10°C; **Boiling Point:** 290° to 338°C (554° to 640.4°F); **Density:** 3.38 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 2796; 4N; Soluble in water; Standardized to pH 4.4 at 25°C against sodium hydroxide that has been standardized against NIST™ potassium acid phthalate.

ACID

ChemAlert®
Storage Code
WHITE

Sulfuric Acid Solution, 10N

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SA200-1 |

Oil of Vitriol; H₂SO₄; CAS [7664-93-9, 7732-18-5]; **Melting Point:** 11°C; **Boiling Point:** 105° to 325°C; **Density:** 1.1g/mL; **DOT Class 8:** Corrosive; **UN:** 2796; 9.95 to 10.05N; 10N Standardized to pH 4.4 at 25°C against sodium hydroxide that has been standardized against NIST™ potassium acid phthalate.

ACID

ChemAlert®
Storage Code
WHITE

Sulfuric Acid Solution, 37N

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|-----------|
| 500mL | Amber Glass Bottle | SA196-500 |

Oil of Vitriol; H₂SO₄; CAS [7664-93-9]; **Melting Point:** 10°C; **Boiling Point:** 290° to 338°C (554° to 640.4°F); **Density:** 3.38 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 1830; 36.50 to 37.15N; 37N; Soluble in water; Standardized to pH 4.4 at 25°C against sodium hydroxide that has been standardized against NIST™ potassium acid phthalate.

ACID

ChemAlert®
Storage Code
WHITE

Sulfuric Acid, (1+9)

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Poly Bottle | LC255802 |
| 2.5L | Clear Glass Bottle | LC255803 |

Liquid; 10.0% v/v ± 0.5%; H₂SO₄; **FW:** 98.08; CAS [7732-18-5, 7664-93-9]; **Density:** 1.11g/mL; **DOT Class 8:** Corrosive; **UN:** 2796; Clear, colorless solution; Soluble in water

Sulfuric Acid, 14%

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC256002 |

Liquid; 14% v/v ± 1%; H₂SO₄; **FW:** 98.08; CAS [7732-18-5, 7664-93-9]; **Density:** 1.15g/mL; **DOT Class 8:** Corrosive; **UN:** 2796; Clear, colorless solution; For Phosphorus; Soluble in water

Sulfuric Acid, 20%

Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 4L | Poly Natural Bottle | 81651 |

Liquid; CAS [7732-18-5, 7664-93-9]; 20% (v/v); Aqueous Solution

Sulfuric Acid, (1+4) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | LC256074 |

Liquid; 20.0% v/v ± 0.5%; H₂SO₄; **FW**: 98.08; CAS [7732-18-5, 7664-93-9]; **Density**: 1.21g/mL; **DOT Class 8**: Corrosive; **UN**: 2796; Clear, colorless solution; Soluble in water

Sulfuric Acid, (1+1) Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | LC256402 |
| 2.5L | Clear Glass Bottle | LC256403 |

Liquid; 50% v/v ± 1%; H₂SO₄; **FW**: 98.08; CAS [7664-93-9, 7732-18-5]; **Density**: 1.49g/mL; **DOT Class 8**: Corrosive; **UN**: 1830; Clear, colorless solution; Soluble in water

Sulfuric Acid, 95% ACS Reagent



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mL | Glass Bottle | AC42452-5000 |
| 2.5L | Glass Bottle | AC42452-0025 |

H₂O₂; H₂SO₄; **FW**: 98.07; CAS [7664-93-9]; **Melting Point**: 10.0°C; **Boiling Point**: 290.0°C; **Density**: 1.8300g/mL; **UN**: 1830
Solubility in water: miscible. Other solubilities: miscible with alcohol (generation of heat)

Sulfuric Acid, 96% Extra Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1L | Glass Bottle | AC13361-0010 |
| 2.5L | Plastic Drum | AC13361-0025 |

96%; H₂O₂; H₂SO₄; **FW**: 98.07; CAS [7664-93-9]; **Melting Point**: 10.0°C; **Boiling Point**: 290.0°C; **Density**: 1.8300g/mL; **UN**: 1830
Solubility in water: miscible. Other solubilities: miscible with alcohol (generation of heat)

Sulfuric Acid, 96%



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10L | Plastic Drum | AC12464-0100 |

H₂O₂; H₂SO₄; **FW**: 98.07; CAS [7664-93-9]; **Melting Point**: 10.0°C; **Boiling Point**: 290.0°C; **Density**: 1.8300g/mL
Solubility in water: miscible. Other solubilities: miscible with alcohol (generation of heat)

TCLP Extraction Fluid 1



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 20L | Cubita [™] | 83775 |

For use in EPA 1311 Toxicity Characteristic Leaching Procedure; **pH**: 4.9 ± 0.05 at 25°C

TCLP Extraction Fluid 2



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 20L | Cubita [™] | 83785 |

CAS [7732-18-5, 64-19-7]; EPA 1311 Toxicity Characteristic Leaching Procedure; **pH**: 2.88±0.05 at 25°C

Tetrabutylammonium Hydroxide Solution Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100mL | Glass Bottle | 04575-100 |

(CH₃CH₂CH₂CH₂)₄NOH; CAS [2052-49-5, 7732-18-5]; **Melting Point**: 0°C (32°F); **DOT Class 8**: Corrosive; **UN**: 1719; 0.38 to 0.42M; 0.4M

 ChemAlert[™]
Storage Code
WHITE

Tetrabutylammonium Hydroxide



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 100mL | Plastic Bottle | AC21291-1000 |
| 800mL | Plastic Bottle | AC21291-8000 |
| 2.5L | Plastic Bottle | AC21291-0025 |

C₁₆H₃₇NO; CAS [CH₃(CH₂)₃]₄NOH; **FW**: 259.46; CAS [2052-49-5, 67-56-1]; **Melting Point**: -98.0°C; **Flash Point**: 12°C; **Boiling Point**: 65.0°C; **Density**: 0.9100g/mL; **UN**: 3286

TISAB II Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC261302 |
| 4L | Poly Bottle | LC261304 |

Liquid; CH₃COOH; **FW**: 60.05; CAS [7732-18-5, 7647-14-5, 64-19-7, 1310-73-2, 125572-95-4]; Clear, colorless solution; For Fluoride; **pH** 5.3 to 5.5; Soluble in water;

Titration Solvent ASTM



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 4L | Amber Glass Bottle | 86201 |

ASTM D 664, D 974, and D 3242 for Neutralization Number

Titration Solvent



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | ST93-4 |

2-Propanol: 48.5 to 50.5%; Toluene: 49.0 to 51.0%; Water: 0.3 to 0.7%; CAS [108-88-3, 67-63-0]; **Flash Point**: 22°C; **Density**: 0.82g/mL; **DOT Class 3**: Flammable Liquid; **UN**: 1993; Isopropanol:Toluene 1:1. Meets ASTM D 664, D 974.

 ChemAlert[™]
Storage Code
RED

Trichloroacetic Acid Solution



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | SA254-500 |

20 to 21%; CCl₃COOH; CAS [76-03-9, 7732-18-5]; **Melting Point**: 54° to 58°C; **Boiling Point**: 196°C; **Density**: 1.62g/mL; **DOT Class 8**: Corrosive; **UN**: 2564

 ChemAlert[™]
Storage Code
WHITE

Vanadate-Molybdate Reagent Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC266002 |

Liquid; (NH₄)₆Mo₇O₂₄·4H₂O; **FW**: 1235.86; CAS [7732-18-5, 7647-01-0, 12054-85-2, 7803-55-6]; **DOT Class 8**: Corrosive; **UN**: 1789; Clear yellow-green solution; For Phosphorus; Soluble in water

Zinc Acetate Solution, 2N

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC271001 |

Liquid; $Zn(C_2H_3O_2)_2 \cdot 2H_2O$; **FW.** 219.49; CAS [7732-18-5, 5970-45-6];
Density: 1.1g/mL; Clear, colorless solution; 2.0N \pm 0.1N; For Sulfide;
 Soluble in water

Zobell's Solution

Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------------|----------|
| 500mL | Amber Poly Bottle | LC273101 |

Liquid; $K_3Fe(CN)_6$; **FW.** 329.26; CAS [7732-18-5, 7447-40-7, 14459-95-1, 13746-66-2]; **Density:** 1g/mL; Clear, yellow solution;
 220mV \pm 10mV; ORP Standard, 220mV; Soluble in water

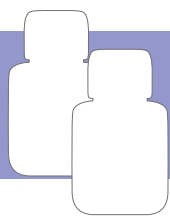
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Aluminum, Reference Standard Solution

Certified

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100mL | Poly Bottle | SA442-100 |
| 500mL | Poly Bottle | SA442-500 |

CAS [7784-13-6, 7647-01-0, 7732-18-5]; **DOT Class 8:** Corrosive; **UN:** 3264; 990 to 1010ppm (by wet Method); 1000ppm ±1%; **Traceability to NIST™:** Lot Number Used Aluminum ref. Std.; For atomic absorption. (1mL = 1mg Al) Solute: Aluminum Chloride Hexahydrate Solvent: Dilute Hydrochloric Acid.

ChemAlert®
Storage Code
WHITE

Ammonium Thiocyanate

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA35580K2 |

Liquid; NH₄SCN; **FW:** 76.12; **Density:** 1g/cm³ at 20°C; Colorless; Solubility in water: Fully miscible

Boron, Reference Standard Solution

Certified

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100mL | Poly Bottle | SB155-100 |
| 500mL | Poly Bottle | SB155-500 |

CAS [10043-35-3, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; 990 to 1010ppm; 1000ppm ±1%; For atomic absorption. (1mL = 1mg B) Solute: Boric Acid Solvent: Distilled Water.

ChemAlert®
Storage Code
GRAY

Calcium, Reference Standard Solution

Certified

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100mL | Poly Bottle | SC191-100 |
| 500mL | Poly Bottle | SC191-500 |

CAS [471-34-1, 7697-37-2, 7732-18-5]; **DOT Class 8:** Corrosive; **UN:** 3264; 990 to 1010ppm; 1000ppm ±1%; **Traceability to NIST™:** Lot Number Used Calcium Ref. Std.; For atomic absorption. (1mL = 1mg Ca) Solute: Calcium Carbonate Solvent: Dilute Nitric Acid.

ChemAlert®
Storage Code
WHITE

Calcium Chloride Standard

R

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | 178016 |
| 1L | Poly Bottle | 178032 |

CAS [7732-18-5, 7647-01-0, 471-34-1]; 1mL= 1 mg CaCO₃

Copper, Reference Standard Solution

Certified

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100mL | Poly Bottle | SC194-100 |
| 500mL | Poly Bottle | SC194-500 |

CAS [19004-19-4, 7697-37-2, 7732-18-5]; **DOT Class 8:** Corrosive; **UN:** 3264; 990 to 1010ppm; 1000ppm ±1%; **Traceability to NIST™:** 3114; Copper Ref. Std. For atomic absorption. (1mL = 1mg Cu) Solute: Copper Nitrate Solvent: Dilute Nitric Acid.

ChemAlert®
Storage Code
WHITE

Cyanide Standard

R

| Quantity | Packaging | Cat. No. |
|----------|-------------------|----------|
| 500mL | Amber Poly Bottle | 254316 |
| 120mL | Amber Poly Bottle | 25434 |

Clear colorless liquid; CAS [151-50-8 (Potassium Cyanide), 1310-73-2 (Sodium Hydroxide), 7732-18-5 (Water, Deionized)]; 1000ppm CN; 1 mL = 1 mg CN; Alkaline

Fluoride Standard

R

| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 4L | Poly Natural Bottle | 31631 |
| 1L | Poly Natural Bottle | 316332 |

Clear, Red Liquid; CAS [7732-18-5, 1310-73-2, 64-19-7, 7647-14-5, 13291-61-7, 25956-17-6]; 2ppm F; 1 mL = 0.002 mg F

Fluoride Standard

R

| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 500mL | Poly Natural Bottle | 317116 |
| 1L | Poly Natural Bottle | 317132 |

Clear colorless liquid; CAS [7681-49-4 (Sodium Fluoride), CAS [7732-18-5]; (Water, Deionized)]; 100ppm F; 1mL = 0.1mg F

Gadolinium

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 500mL | ---- | AA13829AP |

Clear colorless liquid; Gd₂O₃ in 5% HNO₃; CAS [7697-37-2, 12064-62-9, 7732-18-5]; **UN:** 3264; Clear; Solubility in water: Fully miscible; **Vapor Pressure:** 23 hPa (17mm Hg) at 20°C

Gold, Reference Standard Solution

Certified

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100mL | Glass Bottle | SG91-100 |

CAS [16961-25-4, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; 990 to 1010ppm; **Traceability to NIST™:** Lot Number Used Gold Reference Std.; For atomic absorption. (1mL = 1mg Au) Solute: Gold Chloride Solvent: Distilled Water.

ChemAlert®
Storage Code
GRAY

Hydrochloric Acid , 0.01N Standardized Solution

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA35648K2 |

Clear colorless liquid; HCl; **FW:** 36.46; CAS [7647-01-0, 7732-18-5]; Colorless; Solubility in water: Fully miscible; **Vapor Pressure:** 23 hPa (17mm Hg) at 20°C

Hydrochloric Acid , 0.1N Standardized Solution

Alfa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA35644K2 |
| 4L | ---- | AA35644K7 |
| 20L | ---- | AA35644M4 |

Clear colorless liquid; HCl; **FW:** 36.46; CAS [7647-01-0, 7732-18-5]; Colorless; Solubility in water: Fully miscible; **Vapor Pressure:** 23 hPa (17mm Hg) at 20°C

Hydrochloric Acid, 1.0N Standardized Solution

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA35640K2 |

Colorless to Pale Yellow Liquid; HCl; **FW.** 36.46; CAS [7647-01-0, 7732-18-5]; Solubility in water: Fully miscible; **Vapor Pressure:** 23 hPa; (17mm Hg) at 20°C

Hydrochloric Acid, 6.0N Standardized Solution

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA44921K2 |

Colorless to Pale Yellow Liquid; HCl; **FW.** 36.46; CAS [7647-01-0, 7732-18-5]; **UN:** 1789; Solubility in water: Fully miscible; **Vapor Pressure:** 23 hPa (17mm Hg) at 20°C

Iodine, 0.01N Standardized Solution

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA35636K2 |
| 4L | ---- | AA35636K7 |

Red-Brown Liquid; I₂; **FW.** 253.81; CAS [7553-56-2, 7681-11-0, 7732-18-5]; Solubility in water: Fully miscible; **Vapor Pressure:** 23 hPa (17mm Hg) at 20°C

Iron, Reference Standard Solution Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100mL | Poly Bottle | SI124-100 |
| 500mL | Poly Bottle | SI124-500 |

CAS [7782-61-8, 7697-37-2, 7732-18-5]; **Melting Point:** >0°C; **Density:** 1g/mL; **DOT Class 8:** Corrosive; **UN:** 3264; 990 to 1010 ppm; 1000ppm ±1%; Soluble in water; **Traceability to NIST™:** LOT 3126a Iron reference std. For atomic absorption. (1mL = 1mg Fe) Solute: Ferric Nitrate Solvent: Dilute Nitric Acid.



Manganese, Reference Standard Solution Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100mL | Poly Bottle | SM81-100 |
| 500mL | Poly Bottle | SM81-500 |

CAS [17141-63-8, 7697-37-2, 7732-18-5]; **DOT Class 8:** Corrosive; **UN:** 3264; 990 to 1010ppm; 1000ppm ± 1%; **Traceability to NIST™:** Lot Number Used Manganese ref. Std. For atomic absorption. (1mL = 1mg Mn) Solute: Manganese Nitrate Hexahydrate Solvent: Dilute Nitric Acid.



Nickel, Reference Standard Solution Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100mL | Poly Bottle | SN70-100 |
| 500mL | Poly Bottle | SN70-500 |

CAS [13478-00-7, 7697-37-2, 7732-18-5]; **DOT Class 8:** Corrosive; **UN:** 3264; 990 to 1010ppm; 1000ppm ±1%; **Traceability to NIST™:** Lot Number Used Nickel Ref. Standard; For atomic absorption. (1mL = 1mg Ni) Solute: Nickel Nitrate Solvent: Dilute Nitric Acid.



Potassium, Reference Standard Solution Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100mL | Poly Bottle | SP351-100 |
| 500mL | Poly Bottle | SP351-500 |

CAS [7447-40-7, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; 990 to 1010ppm; 1000ppm ±1%; **Traceability to NIST™:** Lot Number Used Potassium Ref. Std.; For atomic absorption. (1mL = 1mg K) Solute: Potassium Chloride Solvent: Distilled H₂O.



Potassium Bromate/Potassium Bromide

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA35593K2 |

Liquid; KBrO₃/KBr; Colorless; Solubility in water: Fully miscible

Lead, Reference Standard Solution Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100mL | Poly Bottle | SL21-100 |
| 500mL | Poly Bottle | SL21-500 |

CAS [10099-74-8, 7697-37-2, 7732-18-5]; **DOT Class 8:** Corrosive; **UN:** 3264; 990 to 1010ppm; 1000ppm ±1%; **Traceability to NIST™:** Lot Number Used Lead ref. Standard; For atomic absorption. (1mL = 1mg Pb) Solute: Lead Metal Solvent: Dilute Nitric Acid.



Selenium, Reference Standard Solution Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100mL | Poly Bottle | SS464-100 |
| 500mL | Poly Bottle | SS464-500 |

CAS [7783-00-8, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; 990 to 1010ppm; 1000ppm ±1%; **Identification:** Pass Test; For atomic absorption. (1mL = 1mg Se) Solute: Selenium Dioxide Solvent: Distilled Water.



Magnesium, Reference Standard Solution Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100mL | Poly Bottle | SM51-100 |
| 500mL | Poly Bottle | SM51-500 |

CAS [13446-18-9, 7697-37-2, 7732-18-5]; **Melting Point:** <0°C; **DOT Class 8:** Corrosive; **UN:** 3264; 990 to 1010ppm; 1000ppm ±1%; **Traceability to NIST™:** Lot Number Used Magnesium ref. Std. For atomic absorption. (1mL = 1mg Mg) Solute: Magnesium Metal Solvent: Dilute Nitric Acid.



Sodium Hydroxide, 0.1N Standardized Solution

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA35625K2 |
| 4L | ---- | AA35625K7 |

Liquid; NaOH; **FW.** 40.00; CAS [1310-73-2]; **Boiling Point:** 100°C; **Density:** 1.1g/cm³ at 20°C; Solubility in water: Fully miscible; **Vapor Pressure:** 23 hPa (17mm Hg) at 20°C

Sodium, Reference Standard Solution Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100mL | Poly Bottle | SS139-100 |
| 500mL | Poly Bottle | SS139-500 |

NaCl; CAS [7647-14-5, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1g/mL; 990 to 1010ppm; 1000ppm ±1%; **Traceability to NIST™:** Lot Number Used Sodium Ref. Std.; For atomic absorption. (1mL = 1mg Na) Solute: Sodium Chloride Solvent: Distilled Water.



Zinc, Reference Standard Solution Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 100mL | Poly Bottle | SZ13-100 |
| 500mL | Poly Bottle | SZ13-500 |

CAS [7697-37-2, 1314-13-2, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** 1.1g/mL; **DOT Class 8:** Corrosive; **UN:** 2031; 990 to 1010ppm; 1000ppm ±1%; **Traceability to NIST™:** Lot Number Used Zinc Ref. Standard; For atomic absorption. (1mL = 1mg Zn) Solute: Zinc Oxide Solvent: Dilute Nitric Acid.



Sulfate Standard



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 500mL | Poly Natural Bottle | 811216 |

Clear colorless liquid; CAS [7757-82-6 (Sodium Sulfate), 7732-18-5 (Water, Deionized)]; 1000ppm; 1mL = 1mg SO₄²⁻

Sulfuric Acid, 0.02N Standardized Solution

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA35649K7 |

Liquid; H₂SO₄; **FW:** 98.08

Sulfuric Acid, 0.1N Standardized Solution

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | ---- | AA35651K7 |

Liquid; H₂SO₄; **FW:** 98.08; CAS [7664-93-9, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1g/cm³ at 20°C; Clear; Solubility in water: Fully miscible; **Vapor Pressure:** 23 hPa (17mm Hg) at 20°C

Sulfuric Acid, 0.5N Standardized Solution

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 20L | ---- | AA35653M4 |

Liquid; H₂SO₄; **FW:** 98.08; CAS [7664-93-9, 7732-18-5]; **UN:** 3264; Colorless to pale yellow; Solubility in water: Fully miscible; **Vapor Pressure:** 23 hPa (17mm Hg) at 20°C

Sulfuric Acid, 1.0N Standardized Solution

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 1L | ---- | AA35655K2 |

Liquid; H₂SO₄; **FW:** 98.08

Thiocyanate Standard Solution Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | ST18-1 |

Potassium Thiocyanate Solutions; CAS [333-20-0, 64-02-8, 7732-18-5]; **Density:** 1g/mL; 0.0995 to 0.1005N; 0.1N (N/10); **Identification:** Pass Test; Standardized against silver nitrate at 25°C.



AA/ICP-AES Standards

Aluminum Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 500mL | Triple-leached LDPE Bottle | PLAL1-2X |

CAS [7429-90-5, 7647-01-0, 7732-18-5]; Hazardous; **Recommended Storage:** Ambient; 2% HCl; NIST™-Traceable Certified Reference Material

Aluminum Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLAL22M |
| 125mL | Triple-leached LDPE Bottle | PLAL2-2Y |
| 250mL | Triple-leached LDPE Bottle | PLAL2-2T |
| 500mL | Triple-leached LDPE Bottle | PLAL2-2X |

CAS [7429-90-5, 7732-18-5, 7697-37-2]; Nonhazardous; **Recommended Storage:** Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Aluminum Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLAL2-3Y |
| 500mL | Triple-leached LDPE Bottle | PLAL2-3X |

CAS [7429-90-5, 7732-18-5, 7697-37-2]; Hazardous; **Recommended Storage:** Ambient; 5% HNO₃; NIST™-Traceable Certified Reference Material

Antimony Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLSB7-2M |

CAS [7697-37-2, 87-69-4, 7440-36-0, 7732-18-5]; Nonhazardous; **Recommended Storage:** Ambient; H₂O/0.6% Tart. Acid/Tr. HNO₃; NIST™-Traceable Certified Reference Material

Arsenic Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLAS22M |
| 125mL | Triple-leached LDPE Bottle | PLAS2-2Y |
| 500mL | Triple-leached LDPE Bottle | PLAS2-2X |

CAS [7440-38-2, 7697-37-2, 7732-18-5]; Nonhazardous; **Recommended Storage:** Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Arsenic Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 500mL | Triple-leached LDPE Bottle | PLAS2-3X |

CAS [7440-38-2, 7697-37-2, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 5% HNO₃;
 NIST™-Traceable Certified Reference Material

Calcium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 500mL | Triple-leached LDPE Bottle | PLCA1-2X |

CAS [7440-70-2, 7697-37-2, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 2% HCl;
 NIST™-Traceable Certified Reference Material

Barium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLBA2-2M |
| 125mL | Triple-leached LDPE Bottle | PLBA2-2Y |
| 500mL | Triple-leached LDPE Bottle | PLBA2-2X |

CAS [7647-01-0, 7732-18-5, 513-77-9] CAS [7697-37-2, 7440-39-3, 7732-18-5]; Hazardous; **Recommended Storage:** Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Calcium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLCA2-2M |
| 125mL | Triple-leached LDPE Bottle | PLCA2-2Y |
| 500mL | Triple-leached LDPE Bottle | PLCA2-2X |

CAS [7440-70-2, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Barium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLBA2-3Y |
| 500mL | Triple-leached LDPE Bottle | PLBA2-3X |

CAS [7697-37-2, 7440-39-3, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 5% HNO₃; NIST™-Traceable Certified Reference Material

Calcium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLCA2-3Y |
| 500mL | Triple-leached LDPE Bottle | PLCA2-3X |

CAS [7440-70-2, 7697-37-2, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 5% HNO₃;
 NIST™-Traceable Certified Reference Material

Beryllium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLBE2-2M |
| 125mL | Triple-leached LDPE Bottle | PLBE2-2Y |

CAS [7440-41-7, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Calcium Carbonate Standard Certified Standard



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC127001 |

Liquid; CaCO₃; **FW.** 100.09 CAS [7732-18-5, 7647-01-0, 471-34-1];
Density: 1g/mL; Clear, colorless solution; 1.000 ± 0.010mg CaCO₃/mL;
 (1mL = 1mg CaCO₃ = 0.4mg Ca), for Hardness; Soluble in water

Bismuth Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLB14-2M |

CAS [7440-69-9, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Carbon Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLC9-2M |

CAS [7440-44-0, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; H₂O;
 NIST™-Traceable Certified Reference Material

Boron Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLB9-2M |
| 500mL | Triple-leached LDPE Bottle | PLB9-2X |
| 125mL | Triple-leached LDPE Bottle | PLB9-2Y |

CAS [7440-42-8, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; H₂O;
 NIST™-Traceable Certified Reference Material

Cerium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLCE2-2M |

CAS [7440-45-1, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Cadmium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLCD2-2M |
| 125mL | Triple-leached LDPE Bottle | PLCD2-2Y |
| 500mL | Triple-leached LDPE Bottle | PLCD2-2X |

CAS [7440-43-9, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Cesium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLCS22M |

CAS [7789-18-6, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Cesium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLCS2-3Y |
| 500mL | Triple-leached LDPE Bottle | PLCS2-3X |

CAS [7789-18-6, 7697-37-2, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 5% HNO₃;
 NIST™-Traceable Certified Reference Material

Chromium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLCR22M |

CAS [7789-09-5, 7732-18-5, 7789-09-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Cobalt Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLCO22M |
| 125mL | Triple-leached LDPE Bottle | PLCO2-2Y |
| 500mL | Triple-leached LDPE Bottle | PLCO2-2X |

CAS [7697-37-2, 7440-48-4, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Cobalt Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 500mL | Triple-leached LDPE Bottle | PLCO2-3X |

CAS [7697-37-2, 7440-48-4, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 5% HNO₃;
 NIST™-Traceable Certified Reference Material

Copper Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 500mL | Triple-leached LDPE Bottle | PLCU1-2X |

CAS [7440-50-8, 7697-37-2, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 2% HCl;
 NIST™-Traceable Certified Reference Material

Copper Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLCU2-2M |
| 125mL | Triple-leached LDPE Bottle | PLCU2-2Y |
| 250mL | Triple-leached LDPE Bottle | PLCU2-2T |
| 500mL | Triple-leached LDPE Bottle | PLCU2-2X |

CAS [7440-50-8, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Copper Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLCU2-3Y |
| 500mL | Triple-leached LDPE Bottle | PLCU2-3X |

CAS [7440-50-8, 7697-37-2, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 5% HNO₃;
 NIST™-Traceable Certified Reference Material

Cyanide Standard Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 125mL | Poly Bottle | LC135457 |

Liquid; KCN; **FW.** 65.12; CAS [7732-18-5, 151-50-8, 1310-73-2];
Density: 1g/mL; **Recommended Storage:** Room Temperature;
 Clear, colorless solution; 1000ppm ± 10ppm;
 1000ppm (1mL = 1mg CN⁻); Soluble in water; **Identification:** Pass Test;
Traceability to NIST™: Traceable to NIST™

Dysprosium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLDY2-2M |

CAS [7429-91-6, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Erbium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLER2-2M |

CAS [12061-16-4, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Europium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLEU2-2M |

CAS [1308-96-9, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Fluoride Standard Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC146002 |

Liquid; NaF; **FW.** 41.99; CAS [7732-18-5, 7681-49-4];
Recommended Storage: Room Temperature; Clear, colorless
 solution; 1000ppm ± 10ppm; 1000ppm (1mL = 1mg F⁻); Soluble in water;
Identification: Pass Test; **Traceability to NIST™:** Traceable to NIST™

Gadolinium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLGD22M |

CAS [7440-54-2, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Gallium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLGA2-2M |

CAS [7440-55-3, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Germanium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|---|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLGE9-2M |
| CAS [7440-56-4, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; H ₂ O; NIST™-Traceable Certified Reference Material | | |

Gold Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|---|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLAU32M |
| CAS [7440-57-5, 7647-01-0, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 10% HCl; NIST™-Traceable Certified Reference Material | | |

Hafnium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLHF12M |
| CAS [7440-58-6, 7647-01-0, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 2% HCl; NIST™-Traceable Certified Reference Material | | |

Holmium Standard Plasma Grade



| Quantity | Packaging | Cat. No. |
|---|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLHO2-2M |
| CAS [12055-62-8, 7697-37-2, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Indium Standard Plasma Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLIN2-2M |
| CAS [7440-74-6, 7697-37-2, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Iridium Standard Plasma Grade



| Quantity | Packaging | Cat. No. |
|---|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLIR3-2M |
| CAS [7439-88-5, 7647-01-0, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 10% HCl; NIST™-Traceable Certified Reference Material | | |

Iron Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|---|----------------------------|----------|
| 500mL | Triple-leached LDPE Bottle | PLFE1-2X |
| CAS [7439-89-6, 7647-01-0, 7732-18-5]; Hazardous; Recommended Storage: Ambient; 2% HCl; NIST™-Traceable Certified Reference Material | | |

Iron Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLFE2-2M |
| 125mL | Triple-leached LDPE Bottle | PLFE2-2Y |
| 250mL | Triple-leached LDPE Bottle | PLFE2-2T |
| 500mL | Triple-leached LDPE Bottle | PLFE2-2X |
| CAS [7439-89-6, 7697-37-2, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Iron Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|---|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLFE2-3Y |
| 500mL | Triple-leached LDPE Bottle | PLFE2-3X |
| CAS [7439-89-6, 7697-37-2, 7732-18-5]; Hazardous; Recommended Storage: Ambient; 5% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Lanthanum Standard Plasma Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLLA2-2M |
| CAS [7439-91-0, 7697-37-2, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Lead Standard Plasma Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLPB2-2M |
| 125mL | Triple-leached LDPE Bottle | PLPB2-2Y |
| 250mL | Poly Bottle | PLPB2-2T |
| 500mL | Triple-leached LDPE Bottle | PLPB2-2X |
| CAS [7439-92-1, 7697-37-2, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Lead Standard Plasma Grade



| Quantity | Packaging | Cat. No. |
|---|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLPB2-3Y |
| 500mL | Triple-leached LDPE Bottle | PLPB2-3X |
| Hazardous; Recommended Storage: Ambient; 5% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Lithium 6 Isotope Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | ISOTLI6M |
| Fluid; CAS [7697-37-2, 7439-93-2, 7732-18-5]; Boiling Point: 100°C (212°F); Density: 1.01001g/cm ³ (8.429 lb./gal); Nonhazardous; Recommended Storage: Ambient; 2% HNO ₃ ; Vapor Pressure: 23hPa (17mmHg); NIST™-Traceable Certified Reference Material | | |

Lithium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLLI2-2M |
| CAS [7439-93-2, 7697-37-2, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Lutetium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLLU2-2M |

CAS [7439-94-3, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Magnesium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 500mL | Triple-leached LDPE Bottle | PLMG1-2X |

CAS [7439-95-4, 7647-01-0, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 2% HCl;
 NIST™-Traceable Certified Reference Material

Magnesium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLMG2-2M |

CAS [7697-37-2, 7439-95-4, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Manganese Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLMN2-2M |
| 125mL | Triple-leached LDPE Bottle | PLMN2-2Y |
| 250mL | Poly Bottle | PLMN2-2T |
| 500mL | Triple-leached LDPE Bottle | PLMN2-2X |

CAS [7439-96-5, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Manganese Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLMN2-3Y |
| 500mL | Triple-leached LDPE Bottle | PLMN2-3X |

CAS [7439-96-5, 7697-37-2, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 5% HNO₃;
 NIST™-Traceable Certified Reference Material

Mercury Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLHG4-2M |
| 125mL | Triple-leached LDPE Bottle | PLHG4-2Y |
| 500mL | Triple-leached LDPE Bottle | PLHG4-2X |

CAS [7439-97-6, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 10% HNO₃;
 NIST™-Traceable Certified Reference Material

Mercury Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | PLHG2-1AY |

CAS [7439-97-6, 7697-37-2, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 5% HNO₃;
 NIST™-Traceable Certified Reference Material

Molybdenum Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLM09-3Y |

CAS [7439-98-7, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; H₂O;
 NIST™-Traceable Certified Reference Material

Molybdenum Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLM09-2M |
| 125mL | Triple-leached LDPE Bottle | PLM09-2Y |
| 500mL | Triple-leached LDPE Bottle | PLM09-2X |

CAS [7439-98-7, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; H₂O;
 NIST™-Traceable Certified Reference Material

Neodymium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLND2-2M |

CAS [7440-00-8, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Nickel Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLNI2-2M |
| 125mL | Triple-leached LDPE Bottle | PLNI2-2Y |
| 500mL | Triple-leached LDPE Bottle | PLNI2-2X |

CAS [7440-02-0, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Nickel Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 500mL | Triple-leached LDPE Bottle | PLNI2-3X |

CAS [7440-02-0, 7697-37-2, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 5% HNO₃;
 NIST™-Traceable Certified Reference Material

Niobium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLNB9-2M |

CAS [7440-03-1, 7732-18-5, 7664-39-3]; Nonhazardous;
Recommended Storage: Ambient; H₂O;
 NIST™-Traceable Certified Reference Material

Palladium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLPD3-2M |

CAS [7440-05-3, 7647-01-0, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 10% HCl;
 NIST™-Traceable Certified Reference Material

Phosphorus Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLP9-3Y |
| 500mL | Triple-leached LDPE Bottle | PLP9-3X |

CAS [7722-76-1, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; H₂O;
 NIST™-Traceable Certified Reference Material

Phosphorus Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLP9-2M |
| 125mL | Triple-leached LDPE Bottle | PLP9-2Y |
| 500mL | Triple-leached LDPE Bottle | PLP9-2X |

CAS [7722-76-1, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; H₂O;
 NIST™-Traceable Certified Reference Material

Plasma Emission Standards Kit 1



| Quantity | Packaging | Cat. No. |
|----------------------------|----------------------------|-----------|
| 38 components × 125mL each | Triple-leached LDPE Bottle | ICP-KIT-1 |

Hazardous; **Recommended Storage:** Ambient;
 NIST™-Traceable Certified Reference Material

Platinum Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLPT3-2M |
| 125mL | Triple-leached LDPE Bottle | PLPT3-2Y |
| 500mL | Triple-leached LDPE Bottle | PLPT3-2X |

CAS [7440-06-4, 7647-01-0, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 10% HCl;
 NIST™-Traceable Certified Reference Material

Potassium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 500mL | Triple-leached LDPE Bottle | PLK1-2X |

CAS [7447-40-7, 7647-01-0, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 2% HCl;
 NIST™-Traceable Certified Reference Material

Potassium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLK2-2M |
| 125mL | Triple-leached LDPE Bottle | PLK2-2Y |
| 500mL | Triple-leached LDPE Bottle | PLK2-2X |

CAS [7447-40-7, 7647-01-0, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Potassium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLK2-3Y |
| 500mL | Triple-leached LDPE Bottle | PLK2-3X |

CAS [7447-40-7, 7647-01-0, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 5% HNO₃;
 NIST™-Traceable Certified Reference Material

Praseodymium Standard Plasma Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLPR2-2M |

CAS [7440-10-0, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Rhenium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLR9-2M |

CAS [7440-15-5, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; H₂O;
 NIST™-Traceable Certified Reference Material

Rhodium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLRH3-2M |
| 125mL | Triple-leached LDPE Bottle | PLRH3-2Y |

CAS [7440-16-6, 7647-01-0, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 10% HCl;
 NIST™-Traceable Certified Reference Material

Rubidium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLRB2-2M |

CAS [7440-17-7, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HCl;
 NIST™-Traceable Certified Reference Material

Ruthenium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLRU3-2M |

CAS [7440-18-8, 7647-01-0, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 10% HCl;
 NIST™-Traceable Certified Reference Material

Samarium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLSM2-2M |

CAS [7440-19-9, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Scandium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLSC2-2M |
| 125mL | Triple-leached LDPE Bottle | PLSC2-2Y |
| 500mL | Triple-leached LDPE Bottle | PLSC2-2X |

CAS [12060-08-1, 7697-37-2, 7732-18-5];
 Nonhazardous; **Recommended Storage:** Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Scandium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLSC2-3Y |
| 500mL | Triple-leached LDPE Bottle | PLSC2-3X |

CAS [12060-08-1, 7697-37-2, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 5% HNO₃;
 NIST™-Traceable Certified Reference Material

Selenium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLSE2-2M |
| 125mL | Triple-leached LDPE Bottle | PLSE2-2Y |
| 500mL | Triple-leached LDPE Bottle | PLSE2-2X |

CAS [7782-49-2, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Silicon Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLS19-2M |

CAS [16919-19-0, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; H₂O;
 NIST™-Traceable Certified Reference Material

Silver Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 500mL | Triple-leached LDPE Bottle | PLAG2-3X |

CAS [7440-22-4, 7697-37-2, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 5% HNO₃;
 NIST™-Traceable Certified Reference Material

Silver Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLAG22M |
| 125mL | Triple-leached LDPE Bottle | PLAG2-2Y |

CAS [7440-22-4, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Sodium AA Standard Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC228101 |

Liquid; NaCl; FW: 58.44; CAS [7732-18-5, 7647-14-5];
Recommended Storage: Room Temperature; Clear, colorless solution;
 1000ppm ± 5ppm; 1000ppm (1mL = 1mg Na); Soluble in water;
Identification: Pass Test; **Traceability to NIST™:** Traceable to NIST™

Sodium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLNA2-3Y |
| 500mL | Triple-leached LDPE Bottle | PLNA2-3X |

CAS [7440-23-5, 7732-18-5, 7697-37-2]; Hazardous;
Recommended Storage: Ambient; 5% HNO₃;
 NIST™-Traceable Certified Reference Material

Sodium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 500mL | Triple-leached LDPE Bottle | PLNA1-2X |

CAS [7440-23-5, 7647-01-0, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 2% HCl;
 NIST™-Traceable Certified Reference Material

Sodium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLNA22M |
| 125mL | Triple-leached LDPE Bottle | PLNA2-2Y |
| 500mL | Triple-leached LDPE Bottle | PLNA2-2X |

CAS [7440-23-5, 7732-18-5, 7697-37-2]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Strontium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 500mL | Triple-leached LDPE Bottle | PLSR1-2X |

CAS [7440-24-6, 7647-01-0, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 2% HCl;
 NIST™-Traceable Certified Reference Material

Strontium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLSR2-3Y |
| 500mL | Triple-leached LDPE Bottle | PLSR2-3X |

CAS [7440-24-6, 7732-18-5, 7697-37-2]; Hazardous;
Recommended Storage: Ambient; 5% HNO₃;
 NIST™-Traceable Certified Reference Material

Strontium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLSR2-2M |
| 125mL | Triple-leached LDPE Bottle | PLSR2-2Y |
| 500mL | Triple-leached LDPE Bottle | PLSR2-2X |

CAS [7440-24-6, 7732-18-5, 7697-37-2]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Sulfur Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLS9-3Y |
| 500mL | Triple-leached LDPE Bottle | PLS9-3X |

CAS [7783-20-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; H₂O;
 NIST™-Traceable Certified Reference Material

Sulfur Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLS9-2M |
| 125mL | Triple-leached LDPE Bottle | PLS9-2Y |
| 500mL | Triple-leached LDPE Bottle | PLS9-2X |

CAS [7783-20-2, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; H₂O;
 NIST™-Traceable Certified Reference Material

Tantalum Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLTA9-2M |
| CAS [7664-39-3, 7440-25-7, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; H ₂ O/0.8% HF; NIST™-Traceable Certified Reference Material | | |

Tin Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 500mL | Triple-leached LDPE Bottle | PLSN2-3X |
| CAS [7697-37-2, 7664-39-3, 7440-31-5, 7732-18-5]; Hazardous; Recommended Storage: Ambient; 2% HNO ₃ /2% HF; NIST™-Traceable Certified Reference Material | | |

Tellurium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|---|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLTE2-2M |
| CAS [13494-80-9, 7697-37-2, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 5% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Tin Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLSN5-3Y |
| CAS [7647-01-0, 7440-31-5, 7732-18-5]; Hazardous; Recommended Storage: Ambient; 10000mg/L in 20% HCL NIST™-Traceable Certified Reference Material | | |

Terbium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLTB2-2M |
| CAS [7440-27-9, 7697-37-2, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Tin Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 500mL | Triple-leached LDPE Bottle | PLSN2-2X |
| CAS [7697-37-2, 7664-39-3, 7732-18-5, 7440-31-5]; Hazardous; Recommended Storage: Ambient; 1% HNO ₃ /1% HF; NIST™-Traceable Certified Reference Material | | |

Thallium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLTL2-2M |
| 125mL | Triple-leached LDPE Bottle | PLTL2-2Y |
| CAS [7440-28-0, 7697-37-2, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Titanium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 500mL | Triple-leached LDPE Bottle | PLTI5-2X |
| CAS [7647-01-0, 7440-32-6, 7732-18-5]; Hazardous; Recommended Storage: Ambient; 20% HCl; NIST™-Traceable Certified Reference Material | | |

Thorium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLTH2-2M |
| CAS [7440-29-1, 7697-37-2, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Titanium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLTI9-2M |
| 125mL | Triple-leached LDPE Bottle | PLTI9-2Y |
| 500mL | Triple-leached LDPE Bottle | PLTI9-2X |
| CAS [16962-40-6, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; H ₂ O; NIST™-Traceable Certified Reference Material | | |

Thulium Standard Plasma Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLTM2-2M |
| CAS [7440-30-4, 7697-37-2, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Tungsten Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|---|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLW9-2M |
| 125mL | Triple-leached LDPE Bottle | PLW9-2Y |
| CAS [7440-33-7, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; H ₂ O; NIST™-Traceable Certified Reference Material | | |

Tin Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|---|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLSN5-2M |
| 125mL | Triple-leached LDPE Bottle | PLSN5-2Y |
| 250mL | PTFE Bottle | PLSN5-2T |
| 500mL | Triple-leached LDPE Bottle | PLSN5-2X |
| CAS [7440-31-5, 7647-01-0, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 20% HCl; NIST™-Traceable Certified Reference Material | | |

Uranium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLU2-2M |
| CAS [7697-37-2, 7697-37-2, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Vanadium Standard Plasma Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLV2-2M |
| 125mL | Triple-leached LDPE Bottle | PLV2-2Y |
| 500mL | Triple-leached LDPE Bottle | PLV2-2X |

CAS [7803-55-6, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Vanadium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 500mL | Triple-leached LDPE Bottle | PLV3-3X |

CAS [7647-01-0, 7440-62-2, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 15% HCl;
 NIST™-Traceable Certified Reference Material

Ytterbium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLYB2-2M |

CAS [7440-64-4, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Yttrium Standard Plasma Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLY2-2M |
| 125mL | Triple-leached LDPE Bottle | PLY2-2Y |
| 500mL | Triple-leached LDPE Bottle | PLY2-2X |

CAS [7440-65-5, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Yttrium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLY2-3Y |
| 500mL | Triple-leached LDPE Bottle | PLY2-3X |

CAS [1314-36-9, 7732-18-5, 7697-37-2]; Hazardous;
Recommended Storage: Ambient; 5% HNO₃;
 NIST™-Traceable Certified Reference Material

Zinc Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLZN2-3Y |
| 500mL | Triple-leached LDPE Bottle | PLZN2-3X |

CAS [7697-37-2, 7440-66-6, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 5% HNO₃;
 NIST™-Traceable Certified Reference Material

Zinc Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 500mL | Triple-leached LDPE Bottle | PLZN1-2X |

CAS [7647-01-0, 7440-66-6, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 2% HCl;
 NIST™-Traceable Certified Reference Material

Zinc Standard Plasma Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLZN2-2M |
| 125mL | Triple-leached LDPE Bottle | PLZN2-2Y |
| 250mL | Poly Bottle | PLZN2-2T |
| 500mL | Triple-leached LDPE Bottle | PLZN2-2X |

CAS [7440-66-6, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Zirconium Standard Assurance® Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | PLZR2-2M |

CAS [13826-66-9, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Color Standards

Brown Reference Solution



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 120mL | Amber Glass Bottle | 288064 |

Brownish or Greenish Yellow Liquid; CAS [10025-77-1, 7647-01-0, 7732-18-5, 7758-99-8, 7791-13-1]; **Melting Point:** Approximately 0°C; **Boiling Point:** Approximately 100°C

Brownish-Yellow Standard Solution, BY2



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 120mL | Amber Glass Bottle | 28724 |

Brownish or Greenish Yellow or Brown Liquid;
 CAS [10025-77-1, 7647-01-0, 7732-18-5, 7758-99-8, 7791-13-1];
Melting Point: Approximately 0°C; **Boiling Point:** Approximately 100°C

Brownish-Yellow Standard Solution, BY3



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 120mL | Amber Glass Bottle | 28734 |

Brownish or Greenish Yellow or Brown Liquid;
 CAS [10025-77-1, 7647-01-0, 7732-18-5, 7758-99-8, 7791-13-1];
Melting Point: Approximately 0°C; **Boiling Point:** Approximately 100°C

Brownish-Yellow Standard Solution, BY4



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 120mL | Amber Glass Bottle | 28744 |

Brownish or Greenish Yellow or Brown Liquid;
 CAS [10025-77-1, 7647-01-0, 7732-18-5, 7758-99-8, 7791-13-1];
Melting Point: Approximately 0°C; **Boiling Point:** Approximately 100°C

Brownish-Yellow Reference, BY5



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 120mL | Amber Glass Bottle | 28754 |

Brownish or Greenish Yellow or Brown Liquid;
 CAS [10025-77-1, 7647-01-0, 7732-18-5, 7758-99-8, 7791-13-1];
Melting Point: Approximately 0°C; **Boiling Point:** Approximately 100°C

Brownish-Yellow Reference Solution, BY6



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 120mL | Amber Glass Bottle | 28764 |

Brownish or Greenish Yellow Liquid; CAS [10025-77-1, 7647-01-0, 7732-18-5, 7758-99-8, 7791-13-1]; **Melting Point:** Approximately 0°C; **Boiling Point:** Approximately 100°C

Brownish-Yellow Reference Solution, BY7



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 120mL | Amber Glass Bottle | 28774 |

Brownish or Greenish Yellow Liquid; CAS [10025-77-1, 7647-01-0, 7732-18-5, 7758-99-8, 7791-13-1]; **Melting Point:** Approximately 0°C; **Boiling Point:** Approximately 100°C

Color Standard Y5 EP



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 120mL | Amber Glass Bottle | 288354 |

Yellow standard solution; CAS [10025-77-1, 7647-01-0, 7732-18-5, 7758-99-8, 7791-13-1]; **Melting Point:** 0°C (32°F); **Boiling Point:** 100°C

Reference Solution B9 EP



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 120mL | Amber Glass Bottle | 288094 |

Brown reference solution; CAS [10025-77-1, 7647-01-0, 7732-18-5, 7758-99-8, 7791-13-1]; **Melting Point:** 0°C (32°F); **Boiling Point:** 100°C

Reference Solution Y4 EP



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 120mL | Amber Glass Bottle | 288344 |

Yellow standard solution; CAS [10025-77-1, 7647-01-0, 7732-18-5, 7758-99-8, 7791-13-1]; **Melting Point:** 0°C (32°F); **Boiling Point:** 100°C

Yellow Standard Solution



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 120mL | Amber Glass Bottle | 288334 |

Clear, Yellow to Red Liquid; CAS [10025-77-1, 7647-01-0, 7732-18-5, 7791-13-1]; **Melting Point:** Approximately 0°C; **Boiling Point:** Approximately 100°C

Conductivity/TDS Standards

Conductivity Standard, 10µS/cm



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 6 × 20mL | Pack | 2236100P |
| 500mL | Poly Natural Bottle | 223616 |
| 1L | Poly Natural Bottle | 223632 |
| 4L | Poly Bottle | 2236-1 |

Clear colorless liquid; CAS [7732-18-5, 7647-14-5]; 10µS/cm (10µmho/cm) at 25°C

Conductivity Standard, 84µmho/cm Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC187501 |

Liquid; KCl; **FW.** 74.55; CAS [7732-18-5, 7447-40-7]; **Density:** 1g/mL; **Recommended Storage:** Room Temperature; clear, colorless solution; Soluble in water; **Identification:** Pass Test; **Traceability to NIST™:** Traceable to NIST™

Conductivity/TDS Standard, 100µS/cm



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 500mL | Poly Natural Bottle | 223716 |
| 1L | Poly Natural Bottle | 223732 |
| 4L | Poly Natural Bottle | 22371 |

Clear colorless liquid; CAS [7732-18-5, 7647-14-5]; 100µS/cm (100µmho/cm) at 25°C

Conductivity Standard, 200mS/cm



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 1L | Poly Natural Bottle | 22492032 |

Clear colorless liquid; CAS [7732-18-5, 7647-14-5]; 200 mS/cm (200,000 µmho/cm) at 25°C; **pH:** 6.7 to 7.3; Solubility: Infinite.

Conductivity Standard, 447µmho/cm Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC187551 |

Liquid; KCl; **FW.** 74.55; CAS [7732-18-5, 7447-40-7]; **Density:** 1g/mL; **Recommended Storage:** Room Temperature; Clear, colorless solution; Soluble in water; **Identification:** Pass Test; **Traceability to NIST™:** Traceable to NIST™

Conductivity Standard, 500µmho/cm Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC187602 |

Liquid; KCl; **FW.** 74.55; CAS [7732-18-5, 7447-40-7]; **Density:** 1g/mL; **Recommended Storage:** Room Temperature; Clear, colorless solution; Soluble in water; **Identification:** Pass Test; **Traceability to NIST™:** Traceable to NIST™

Conductivity/TDS Standard, 500µS/cm



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 500mL | Poly Natural Bottle | 224116 |
| 1L | Poly Natural Bottle | 224132 |
| 4L | Poly Natural Bottle | 22411 |

Clear colorless liquid; 500µS/cm (500µmho/cm) at 25°C

Conductivity Standard, 1000µmho/cm Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC187712 |

Liquid; KCl; **FW.** 74.55; CAS [7732-18-5, 7447-40-7]; **Density:** 1g/mL; **Recommended Storage:** Room Temperature; Clear, colorless solution; Soluble in water; **Identification:** Pass Test; **Traceability to NIST™:** Traceable to NIST™

Conductivity Standard, 1409µmho/cm

Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | LC187802 |

Liquid; KCl; **FW**: 74.55; CAS [7732-18-5, 7447-40-7]; **Density**: 1g/mL; **Recommended Storage**: Room Temperature; Clear, colorless solution; Soluble in water; **Identification**: Pass Test; **Traceability to NIST™**: Traceable to NIST™

Conductivity Standard, 1500µmho/cm

Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | LC187861 |

Liquid; KCl; **FW**: 74.55; CAS [7732-18-5, 7447-40-7]; **Density**: 1g/mL; **Recommended Storage**: Room Temperature; Clear, colorless solution; Soluble in water; **Identification**: Pass Test; **Traceability to NIST™**: Traceable to NIST™

Potassium Chloride, 500µS/cm



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 1L | Poly Natural Bottle | 5887532 |

Clear colorless liquid; CAS [7732-18-5, 7447-40-7]; **Boiling Point**: Approx. 100°C; Conductivity Standard

Potassium Chloride Conductivity Standard, 5mS/cm



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 1L | Poly Natural Bottle | 58884332 |

Clear colorless liquid; CAS [7732-18-5, 7447-40-7]; 5mS/cm (5000µmho/cm) at 25°C

Potassium Chloride, 50,000µS/cm



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 1L | Poly Natural Bottle | 588932 |

Clear colorless liquid; CAS [7447-40-7, 7732-18-5]; **Melting Point**: Approximately 0°C; **Boiling Point**: Approximately 100°C

Potassium Chloride Reference Solution C



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 500mL | Poly Natural Bottle | 589516 |
| 1L | Poly Natural Bottle | 589532 |
| 10L | Cubitainer™ | 589525 |

Clear colorless liquid; CAS [7732-18-5, 7447-40-7]; 1408.8µS/cm (1408.8µmho/cm) at 25°C

Contract Laboratory Program (CLP) Standards

ICP Spike Sample 1



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-------------|
| 125mL | Triple-leached LDPE Bottle | SPIKE-1 |
| 500mL | Triple-leached LDPE Bottle | SPIKE-1-500 |

Hazardous; **Recommended Storage**: Ambient; 5% HNO₃/tr Tart. Acid/tr HF; NIST™-Traceable Certified Reference Material

Instrument Calibration Standard 1



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | ICAL-1 |

CAS [7697-37-2]; Hazardous; **Recommended Storage**: Ambient; 5% HNO₃; NIST™-Traceable Certified Reference Material

Interferents A1



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 500mL | Triple-leached LDPE Bottle | INT-A1 |

Hazardous; **Recommended Storage**: Ambient; 5% HNO₃; NIST™-Traceable Certified Reference Material

Mercury Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | PLHG2-1Y |

CAS [7439-97-6, 7697-37-2, 7732-18-5]; Hazardous; **Recommended Storage**: Ambient; 5% HNO₃; NIST™-Traceable Certified Reference Material

ICP/ICP-MS Standards

Aluminum Standard

Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLAL2-2M |

CAS [7429-90-5, 7697-37-2, 7732-18-5]; Nonhazardous; **Recommended Storage**: Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Antimony Standard

Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLSB7-2M |

Nonhazardous; **Recommended Storage**: Ambient; H₂O/0.6% Tart. Acid/tr. HNO₃; NIST™-Traceable Certified Reference Material

Arsenic Standard

Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLAS2-2M |
| 125mL | Triple-leached LDPE Bottle | CLAS2-2Y |

CAS [7440-38-2, 7697-37-2, 7732-18-5]; Nonhazardous; **Recommended Storage**: Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Arsenic III Speciation Standard

Assurance® Grade for ICP-MS



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 30mL | Triple-leached LDPE Bottle | SPECAS-3M |

CAS [As(III), 7647-01-0, 7732-18-5]; Nonhazardous; **Recommended Storage**: Ambient; 2% HCl; NIST™-Traceable Certified Reference Material

Arsenic V Speciation Standard

Assurance® Grade for ICP-MS



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 30mL | Triple-leached LDPE Bottle | SPECAS-5M |

CAS [As(V), 7732-18-5]; Nonhazardous; **Recommended Storage**: Ambient; H₂O; NIST™-Traceable Certified Reference Material

Barium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLBA2-2M |
| 125mL | Triple-leached LDPE Bottle | CLBA2-2Y |

CAS [7440-39-3, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Beryllium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLBE2-2M |

CAS [7440-41-7, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Bismuth Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 30mL | Triple-leached LDPE Bottle | CLBI2-1AM |

CAS [7440-69-9, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Bismuth Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLBI2-1BY |

Fluid; CAS [7440-69-9, 7697-37-2, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Boron Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLB9-1BY |

Fluid; CAS [7440-42-8, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; H₂O;
 NIST™-Traceable Certified Reference Material

Cadmium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLCD2-2M |
| 125mL | Triple-leached LDPE Bottle | CLCD2-2Y |

CAS [7440-43-9, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Calcium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLCA2-2M |
| 125mL | Triple-leached LDPE Bottle | CLCA2-2Y |

CAS [7440-70-2, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Carbon Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLC9-1BY |

Fluid; CAS [7440-44-0, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; H₂O;
 NIST™-Traceable Certified Reference Material

Cerium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLCE2-1BY |

Fluid; CAS [7440-45-1, 7697-37-2, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Cesium Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLCS2-1BY |

CAS [7440-46-2]; Hazardous; **Recommended Storage:** Ambient;
 2% HNO₃; NIST™-Traceable Certified Reference Material

Chromium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLCR2-2M |
| 125mL | Triple-leached LDPE Bottle | CLCR2-2Y |

CAS [7440-47-3, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Chromium III Speciation Standard Assurance® Grade for ICP-MS



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------|
| 30mL | Triple-leached LDPE Bottle | SPEC-CR-3M |

CAS [Cr+3, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Chromium VI Speciation Standard Assurance® Grade for ICP-MS



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 30mL | Triple-leached LDPE Bottle | SPEC-CR6M |

CAS [Cr+6, 7732-18-5]; Nonhazardous; **Recommended Storage:**
 Ambient; H₂O; NIST™-Traceable Certified Reference Material

Cobalt Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLCO2-2M |

CAS [7440-48-4, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Copper Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLCU2-2M |
| 125mL | Triple-leached LDPE Bottle | CLCU2-2Y |

CAS [7440-50-8, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Dysprosium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLDY2-1BY |

Fluid; CAS [7429-91-6, 7697-37-2, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Erbium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLER2-1BY |

Fluid; CAS [7440-52-0, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Gadolinium Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLGD2-1BY |

CAS [7440-54-2]; Hazardous; **Recommended Storage:** Ambient;
 2% HNO₃; NIST™-Traceable Certified Reference Material

Gallium Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLGA2-1BY |

CAS [7440-55-3]; Hazardous; **Recommended Storage:** Ambient;
 2% HNO₃; NIST™-Traceable Certified Reference Material

Germanium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 30mL | Triple-leached LDPE Bottle | CLGE9-1AM |

Nonhazardous; **Recommended Storage:** Ambient; H₂O/Tr. F-;
 NIST™-Traceable Certified Reference Material

Germanium Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLGE9-1BY |

CAS [7440-56-4]; Hazardous; **Recommended Storage:** Ambient;
 H₂O; NIST™-Traceable Certified Reference Material

Gold Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLAU1-1M |
| 125mL | Triple-leached LDPE Bottle | CLAU1-1Y |

CAS [7440-57-5, 7647-01-0, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HCl;
 NIST™-Traceable Certified Reference Material

Gold Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLAU1-1BY |

Fluid; CAS [7440-57-5, 7647-01-0, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 1% HNO₃/3% HCl;
 NIST™-Traceable Certified Reference Material

Hafnium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLHF1-1BY |

Fluid; CAS [7440-58-6, 7647-01-0, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 1mg/L; ICP/MS; 2% HCl

Holmium Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLHO2-1BY |

CAS [7440-60-0]; Hazardous; **Recommended Storage:** Ambient; 1mg/L;
 2% HNO₃

Indium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 30mL | Triple-leached LDPE Bottle | CLIN2-1AM |

CAS [7440-74-6, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Indium Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLIN2-1BY |

CAS [7440-74-6]; Hazardous; **Recommended Storage:** Ambient;
 2% HNO₃; NIST™-Traceable Certified Reference Material

Instrument Calibration Standard 1 Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CL-CAL-1 |

Hazardous; **Recommended Storage:** Ambient; 5% HNO₃/tr Tart. Acid;
 NIST™-Traceable Certified Reference Material; 20 µg/mL each:
 Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium,
 Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel,
 Selenium, Silver, Thallium, Thorium, Uranium, Vanadium, Zinc

Instrument Calibration Standard 2 Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CL-CAL-2 |

Hazardous; **Recommended Storage:** Ambient; 5% HNO₃/tr Tart.
 Acid/tr HF; NIST™-Traceable Certified Reference Material;
 100µg/mL each: Aluminum, Antimony, Arsenic, Barium, Beryllium,
 Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead,
 Magnesium, Manganese, Molybdenum, Nickel, Potassium, Selenium,
 Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc

Instrument Check Standard 1 Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CL-ICS-1 |

Hazardous; **Recommended Storage:** Ambient;
 2% HNO₃/tr Tart. Acid/tr HF; NIST™-Traceable Certified Reference
 Material; 10µg/mL each: Aluminum, Antimony, Arsenic, Barium, Beryllium,
 Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Nickel,
 Selenium, Silver, Thallium, Vanadium, Zinc

Instrument Check Standard 3 Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CL-ICS-3 |

Hazardous; **Recommended Storage:** Ambient; 2% HNO₃;
NIST™-Traceable Certified Reference Material; 200µg/mL each:
Calcium, Iron, Magnesium, Potassium, Sodium

Internal Standard 1 Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLISS-1 |

Hazardous; **Recommended Storage:** Ambient; 2% HNO₃;
NIST™-Traceable Certified Reference Material; 10µg/mL each:
Bismuth, Holmium, Indium, Lithium 6, Scandium, Terbium, Yttrium

Iridium Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLIR1-1BY |

CAS [7439-88-5]; Hazardous; **Recommended Storage:** Ambient;
2% HCl; NIST™-Traceable Certified Reference Material

Iron Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLFE2-2M |
| 125mL | Triple-leached LDPE Bottle | CLFE2-2Y |

CAS [7439-89-6, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
NIST™-Traceable Certified Reference Material

Lanthanum Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLLA2-1BY |

CAS [7439-91-0]; Hazardous; **Recommended Storage:** Ambient;
2% HNO₃; NIST™-Traceable Certified Reference Material

Lead Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLPB2-2M |
| 125mL | Triple-leached LDPE Bottle | CLPB2-2Y |

CAS [7439-92-1, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
NIST™-Traceable Certified Reference Material

Lead Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLPB2-1BY |

Fluid; CAS [7439-92-1, 7697-37-2, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; A2% HNO₃;
NIST™-Traceable Certified Reference Material

Magnesium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLMG2-2M |

CAS [7439-95-4, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
NIST™-Traceable Certified Reference Material

Manganese Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLMN2-2M |
| 125mL | Triple-leached LDPE Bottle | CLMN2-2Y |

CAS [7439-96-5, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
NIST™-Traceable Certified Reference Material

Molybdenum Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLM09-2M |
| 125mL | Triple-leached LDPE Bottle | CLM09-2Y |

CAS [7439-98-7, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; H₂O;
NIST™-Traceable Certified Reference Material

Molybdenum Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLM09-1BY |

Fluid; CAS [7439-98-7, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; H₂O;
NIST™-Traceable Certified Reference Material

Multi-Element Solution 1 Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLMS-1 |

Hazardous; **Recommended Storage:** Ambient; 5% HNO₃;
NIST™-Traceable Certified Reference Material;
10µg/mL each: Cerium, Dysprosium, Erbium, Europium, Gadolinium,
Holmium, Lanthanum, Lutetium, Neodymium, Praseodymium,
Samarium, Scandium, Terbium, Thorium, Thulium, Ytterbium, Yttrium

Multi-Element Solution 2 Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLMS-2 |

CAS [Various]; Hazardous; **Recommended Storage:** Ambient;
5% HNO₃; NIST™-Traceable Certified Reference Material; 10µg/mL
each: Aluminum, Arsenic, Barium, Beryllium, Bismuth, Cadmium,
Calcium, Cesium, Chromium, Cobalt, Copper, Gallium, Indium, Iron,
Lead, Lithium, Magnesium, Manganese, Nickel, Potassium, Rubidium,
Selenium, Silver, Sodium, Strontium, Thallium, Uranium, Vanadium,
Zinc

Multi-Element Solution 2, w/o Mercury Trace ICP/ICP-MS Grade Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLMS-2N |

CAS [Various]; Hazardous; **Recommended Storage:** Ambient;
5% HNO₃; NIST™-Traceable Certified Reference Material; 10µg/mL
each: Aluminum, Arsenic, Barium, Beryllium, Bismuth, Cadmium,
Calcium, Cesium, Chromium, Cobalt, Copper, Gallium, Indium, Iron,
Lead, Lithium, Magnesium, Manganese, Nickel, Potassium, Rubidium,
Selenium, Silver, Sodium, Strontium, Thallium, Uranium, Vanadium,
Zinc

Multi-Element Solution 2A Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLMS-2A |

CAS [Various]; Hazardous; **Recommended Storage:** 5% HNO₃; NIST™-Traceable Certified Reference Material; 10µg/mL each: Aluminum, Arsenic, Barium, Beryllium, Cadmium, Calcium, Cesium, Chromium, Cobalt, Copper, Gallium, Iron, Lead, Lithium, Magnesium, Manganese, Nickel, Potassium, Rubidium, Selenium, Silver, Sodium, Strontium, Thallium, Uranium, Vanadium, Zinc

Multi-Element Solution 2A, w/o Mercury Trace ICP/ICP-MS Grade Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLMS-2AN |

CAS [Various]; Hazardous; **Recommended Storage:** Ambient; 5% HNO₃; NIST™-Traceable Certified Reference Material; 10µg/mL each: Aluminum, Arsenic, Barium, Beryllium, Cadmium, Calcium, Cesium, Chromium, Cobalt, Copper, Gallium, Iron, Lead, Lithium, Magnesium, Manganese, Nickel, Potassium, Rubidium, Selenium, Silver, Sodium, Strontium, Thallium, Uranium, Vanadium, Zinc

Multi-Element Solution 3 Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLMS-3 |

Hazardous; **Recommended Storage:** Ambient; 10% HCl/1% HNO₃; NIST™-Traceable Certified Reference Material; 10µg/mL each: Antimony, Gold, Hafnium, Iridium, Palladium, Platinum, Rhodium, Ruthenium, Tellurium, Tin

Multi-Element Solution 4 Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLMS-4 |

Hazardous; **Recommended Storage:** Ambient; H₂O/Tr. HF/Tr. HNO₃; NIST™-Traceable Certified Reference Material; 10µg/mL each: Boron, Germanium, Molybdenum, Niobium, Phosphorus, Rhenium, Silicon, Sulfur, Tantalum, Titanium, Tungsten, Zirconium

Multi-Element Solutions Set Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------------|----------------------------|----------|
| (7) each 125mL | Triple-leached LDPE Bottle | CLMS-SET |

Hazardous; **Recommended Storage:** Ambient; Set of 7; NIST™-Traceable Certified Reference Material; Includes Cat. Nos.: CLBLK-H2O, CLBLK-HCL, CLBLK-HNO₃, CLMS-1, CLMS-2, CLMS-3, CLMS-4

Neodymium Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLND2-1BY |

CAS [7440-00-8]; Hazardous; **Recommended Storage:** Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Nickel Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLNI2-2M |

CAS [7440-02-0, 7697-37-2, 7732-18-5]; Nonhazardous; **Recommended Storage:** Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Nickel Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLNI2-1BY |

CAS [7440-02-0]; Hazardous; **Recommended Storage:** Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Niobium Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLNB9-1BY |

CAS [7440-3-1]; Hazardous; **Recommended Storage:** Ambient; H₂O/Tr. HF; NIST™-Traceable Certified Reference Material

Palladium Standard

Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLPD1-1BY |

Fluid; CAS [7440-5-3, 7647-01-0, 7732-18-5]; Hazardous; **Recommended Storage:** Ambient; 1mg/L; 2% HCl

Phosphorus Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLP9-1BY |

CAS [7723-14-0]; Hazardous; **Recommended Storage:** Ambient; H₂O; NIST™-Traceable Certified Reference Material

Platinum Standard

Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLPT1-1BY |

Fluid; CAS [7440-17-7, 7697-37-2, 7732-18-5]; Hazardous; **Recommended Storage:** Ambient; 2% HCl; NIST™-Traceable Certified Reference Material

Potassium Standard

Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLK2-2M |
| 125mL | Triple-leached LDPE Bottle | CLK2-2Y |

CAS [2023695, 7697-37-2, 7732-18-5]; Nonhazardous; **Recommended Storage:** Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Praseodymium Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLPR2-1BY |

CAS [7440-10-0]; Hazardous; **Recommended Storage:** Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Rhenium Standard

Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLRE9-1BY |

CAS [7440-15-5]; Hazardous; **Recommended Storage:** Ambient; 1mg/L; H₂O

Rhodium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 30mL | Triple-leached LDPE Bottle | CLRH1-1AM |
| 125mL | Triple-leached LDPE Bottle | CLRH1-1AY |

CAS [7440-16-6, 7647-01-0, 7732-18-5];
Recommended Storage: Ambient; 2% HCl;
 NIST™-Traceable Certified Reference Material

Rhodium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLRH1-1BY |

CAS [7440-16-6]; Hazardous; **Recommended Storage:** Ambient; 1mg/L; 2% HCl

Rubidium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLRB2-1BY |

Fluid; CAS [7440-17-7, 7697-37-2, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 1mg/L; 2% HNO₃

Ruthenium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLRU1-1BY |

Fluid; CAS [7440-18-8, 7647-01-0, 7732-18-5]; Hazardous;
Recommended Storage: Ambient; 1mg/L; 2% HCl

Samarium Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLSM2-1BY |

CAS [7440-19-9]; Hazardous; **Recommended Storage:** Ambient;
 2% HNO₃; NIST™-Traceable Certified Reference Material

Scandium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 30mL | Triple-leached LDPE Bottle | CLSC2-1AM |

CAS [7440-20-2, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Scandium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLSC2-1BY |

CAS [7440-20-2]; Hazardous; **Recommended Storage:** Ambient;
 1mg/L; 2% HNO₃

Selenium IV Speciation Standard Assurance® Grade for ICP-MS



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 30mL | Triple-leached LDPE Bottle | SPECSE-4M |

CAS [Se(IV), 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Selenium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLSE2-2M |

CAS [7782-49-2, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Selenium Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLSE2-1BY |

CAS [7782-49-2]; Hazardous; **Recommended Storage:** Ambient;
 2% HNO₃; NIST™-Traceable Certified Reference Material

Silicon Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLS19-1BY |

CAS [7440-21-3]; Hazardous; **Recommended Storage:** Ambient;
 H₂O/Tr. F-; NIST™-Traceable Certified Reference Material

Silver Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLAG2-2M |

CAS [7440-22-4, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Silver Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLAG2-1BY |

CAS [7440-22-4]; Hazardous; **Recommended Storage:** Ambient;
 2% HNO₃; NIST™-Traceable Certified Reference Material

Sodium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLNA2-2M |
| 125mL | Triple-leached LDPE Bottle | CLNA2-2Y |

CAS [7440-23-5, 7697-37-2, 7732-18-5]; Nonhazardous;
Recommended Storage: Ambient; 2% HNO₃;
 NIST™-Traceable Certified Reference Material

Sulfur Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLS9-1BY |

CAS [7783-20-2]; Hazardous; **Recommended Storage:** Ambient;
 H₂O; NIST™-Traceable Certified Reference Material

Tantalum Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLTA9-1BY |

CAS [7440-25-7]; Hazardous; **Recommended Storage:** Ambient;
 H₂O/Tr. HF; NIST™-Traceable Certified Reference Material

Terbium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|-----------|
| 30mL | Triple-leached LDPE Bottle | CLTB2-1AM |
| CAS [7440-27-9, 7697-37-2, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Terbium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|---|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLTB2-1BY |
| CAS [7440-27-9]; Hazardous; Recommended Storage: Ambient; 1mg/L; 2% HNO ₃ | | |

Thallium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLTL2-2M |
| CAS [7440-28-0, 7697-37-2, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Thallium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|--|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLTL2-1BY |
| Fluid; CAS [7440-28-0, 7697-37-2, 7732-18-5]; Hazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Thorium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLTH2-2M |
| CAS [7440-29-1, 7697-37-2, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Thorium Standard



| Quantity | Packaging | Cat. No. |
|---|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLTH2-1BY |
| CAS [7440-29-1]; Hazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Thulium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|--|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLTM2-1BY |
| CAS (Various); Hazardous; Recommended Storage: Ambient; 2% HNO ₃ | | |

Tin Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|---|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLSN2-2M |
| 125mL | Triple-leached LDPE Bottle | CLSN2-2Y |
| Nonhazardous; Recommended Storage: Ambient; 1% HNO ₃ /1% HF; NIST™-Traceable Certified Reference Material | | |

Titanium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLTI9-2M |
| Nonhazardous; Recommended Storage: Ambient; H ₂ O/0.24% F-; NIST™-Traceable Certified Reference Material | | |

Titanium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|---|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLTI9-1BY |
| CAS [7440-32-6, 7732-18-5]; Hazardous; Recommended Storage: Ambient; H ₂ O w/tr. HF; NIST™-Traceable Certified Reference Material | | |

Tungsten Standard



| Quantity | Packaging | Cat. No. |
|---|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLW2-1BY |
| CAS [7440-33-7]; Hazardous; Recommended Storage: Ambient; 2% HNO ₃ /tr HF; NIST™-Traceable Certified Reference Material | | |

Tungsten Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLW2-1BY |
| CAS [7440-33-7, 7732-18-5]; Hazardous; Recommended Storage: Ambient; H ₂ O; NIST™-Traceable Certified Reference Material | | |

Uranium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLU2-2M |
| CAS [7440-61-1, 7697-37-2, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Uranium Standard



| Quantity | Packaging | Cat. No. |
|---|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLU2-1BY |
| CAS [7440-61-1]; Hazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Vanadium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLV2-2M |
| CAS [7440-62-2, 7697-37-2, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Yttrium Standard Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLY2-1AM |
| CAS [7440-65-5, 7697-37-2, 7732-18-5]; Nonhazardous; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Yttrium Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLY2-1BY |

CAS [7440-65-5]; Hazardous; **Recommended Storage:** Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Ytterbium Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLYB2-1BY |

CAS [7440-64-4]; Hazardous; **Recommended Storage:** Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Zinc Standard

Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 30mL | Triple-leached LDPE Bottle | CLZN2-2M |
| 125mL | Triple-leached LDPE Bottle | CLZN2-2Y |

CAS [7440-66-6, 7697-37-2, 7732-18-5]; Nonhazardous; **Recommended Storage:** Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Zirconium



| Quantity | Packaging | Cat. No. |
|----------|---------------------|------------|
| 100mL | Poly Natural Bottle | MSZR1KN100 |

Clear colorless liquid; CAS [7732-18-5, 7697-37-2, 13826-66-9]; **Melting Point:** Approx. 0°C; **Boiling Point:** Approx. 100°C; 1,000ppm Zr; 1 mL = 1 mg Zr; Infinite

Claritas PPT® Standards

Aluminum Standard

Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLAL1-1BY |

Liquid; CAS [7647-01-0, 7429-90-5, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.003g/cm³ at 20°C; Hazardous; **UN:** 1789; **Recommended Storage:** Ambient; 2% HCl; NIST™-Traceable Certified Reference Material

Aluminum Standard

Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLAL2-1BY |

Liquid; CAS [7697-37-2, 7429-90-5, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.01006 g/cm³ at 20°C; Hazardous; **UN:** 3264; **Recommended Storage:** Ambient; ICP/MS; 2% HNO₃; NIST™-Traceable Certified Reference Material

Antimony Standard

Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLSB1-1BY |

Liquid; CAS [7647-01-0, 7440-36-0, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.00751g/cm³ at 20°C; Hazardous; **UN:** 1789; **Recommended Storage:** Ambient; 5% HCl; NIST™-Traceable Certified Reference Material

Antimony Standard

Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLSB7-1BY |

Liquid; CAS [7697-37-2, 87-69-4, 7440-36-0, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.00498g/cm³ at 20°C; 1mg/L; ICP/MS; H₂O/Tr. HNO₃/Tr. Tart

Arsenic Standard

Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLAS1-1BY |

Liquid; CAS [7647-01-0, 7440-38-2, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.003g/cm³ at 20°C; Hazardous; **UN:** 1789; **Recommended Storage:** Ambient; ICP/MS; 2% HCl; NIST™-Traceable Certified Reference Material

Arsenic Standard

Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLAS2-1BY |

Liquid; CAS [7697-37-2, 7440-38-2, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.01006g/cm³ at 20°C; Hazardous; **UN:** 3264; **Recommended Storage:** Ambient; ICP/MS; 2% HNO₃; NIST™-Traceable Certified Reference Material

Barium Standard

Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLBA1-1BY |

Liquid; CAS [7647-01-0, 7440-39-3, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.003g/cm³ at 20°C; **UN:** 1789; 1mg/L; ICP/MS; 2% HCl

Barium Standard

Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLBA2-1BY |

Liquid; CAS [7697-37-2, 7440-39-3, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.01006g/cm³ at 20°C; Hazardous; **UN:** 3264; **Recommended Storage:** Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Cadmium Standard

Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLCD1-1BY |

Liquid; CAS [7647-01-0, 7440-43-9, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.00301g/cm³ at 20°C; **UN:** 1789; 1mg/L; ICP/MS; 2% HCl

Cadmium Standard

Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLCD2-1BY |

Liquid; CAS [7697-37-2, 7440-43-9, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.01007g/cm³ at 20°C; Hazardous; **UN:** 3264; **Recommended Storage:** Ambient; ICP/MS; 2% HNO₃; NIST™-Traceable Certified Reference Material

Calcium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLCA1-1BY |

Liquid; CAS [7647-01-0, 7440-70-2, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.003g/cm³ at 20°C; Hazardous; **UN:** 1789; **Recommended Storage:** Ambient; ICP/MS; 2% HCl; NIST™-Traceable Certified Reference Material

Copper Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLCU1-1BY |

Liquid; CAS [7647-01-0, 7440-50-8, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.00301g/cm³ at 20°C; Hazardous; **UN:** 1789; **Recommended Storage:** Ambient; 2% HCl; NIST™-Traceable Certified Reference Material

Calcium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLCA2-1BY |

Liquid; CAS [7697-37-2, 7440-70-2, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.01006g/cm³ at 20°C; Hazardous; **UN:** 3264; **Recommended Storage:** Ambient; ICP/MS; 2% HNO₃; NIST™-Traceable Certified Reference Material

Copper Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLCU2-1BY |

Liquid; CAS [7697-37-2, 7440-50-8, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.01007g/cm³ at 20°C; Hazardous; **UN:** 3264; **Recommended Storage:** Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Chromium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLCR1-1BY |

Liquid; CAS [7647-01-0, 7440-47-3, 7732-18-5]; **Boiling Point:** 100°C; Hazardous; **UN:** 1789; **Recommended Storage:** Ambient; 2% HCl; NIST™-Traceable Certified Reference Material

Iron Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLFE1-1BY |

Liquid; CAS [7647-01-0, 7439-89-6, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.00301g/cm³ at 20°C; **UN:** 1789; 1mg/L; ICP/MS; 2% HCl

Chromium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLCR2-1BY |

Liquid; CAS [7697-37-2, 7440-47-3, 7732-18-5]; **Boiling Point:** 100°C; Hazardous; **UN:** 3264; **Recommended Storage:** Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Iron Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLFE2-1BY |

Liquid; CAS [7697-37-2, 7439-89-6, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.01007g/cm³ at 20°C; Hazardous; **UN:** 3264; **Recommended Storage:** Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Chromium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLCR9-1BY |

Liquid; CAS [7440-47-3, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1g/cm³ at 20°C; Hazardous; **Recommended Storage:** Ambient; H₂O; NIST™-Traceable Certified Reference Material

Lithium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLLI1-1BY |

Liquid; CAS [7647-01-0, 7439-93-2, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.003g/cm³ at 20°C; **UN:** 1789; 1mg/L; ICP/MS; 2% HCl

Cobalt Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLCO1-1BY |

Liquid; CAS [7647-01-0, 7440-48-4, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.00301g/cm³ at 20°C; **UN:** 1789; 1mg/L; ICP/MS; 2% HCl

Lithium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLLI2-1BY |

Liquid; CAS [7697-37-2, 7439-93-2, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.01006g/cm³ at 20°C; Hazardous; **UN:** 3264; **Recommended Storage:** Ambient; ICP/MS; 2% HNO₃; NIST™-Traceable Certified Reference Material

Cobalt Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLCO2-1BY |

Liquid; CAS [7697-37-2, 7440-48-4, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.01007g/cm³ at 20°C; Hazardous; **UN:** 3264; **Recommended Storage:** Ambient; ICP/MS; 2% HNO₃; NIST™-Traceable Certified Reference Material

Magnesium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLMG1-1BY |

Liquid; CAS [7647-01-0, 7439-95-4, 7732-18-5]; **Boiling Point:** 100°C; **Density:** 1.003g/cm³ at 20°C; Hazardous; **UN:** 1789; **Recommended Storage:** Ambient; 2% HCl; NIST™-Traceable Certified Reference Material

Magnesium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|---|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLMG2-1BY |
| Liquid; CAS [7697-37-2, 7439-95-4, 7732-18-5]; Boiling Point: 100°C; Density: 1.01006g/cm ³ at 20°C; Hazardous; UN: 3264; Recommended Storage: Ambient; ICP/MS; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Tellurium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|--|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLTE1-1BY |
| Liquid; CAS [7647-01-0, 13494-80-9, 7732-18-5]; Boiling Point: 100°C; Density: 1.00751g/cm ³ at 20°C; Hazardous; UN: 1789; Recommended Storage: Ambient; ICP/MS; 5% HCl; NIST™-Traceable Certified Reference Material | | |

Potassium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|--|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLK1-1BY |
| Liquid; CAS [7647-01-0, 7440-09-7, 7732-18-5]; Boiling Point: 100°C; Density: 1.003g/cm ³ at 20°C; UN: 1789; 1mg/L; ICP/MS; 2% HCl | | |

Tellurium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|---|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLTE2-1BY |
| Liquid; CAS [7697-37-2, 13494-80-9, 7732-18-5]; Boiling Point: 83°C; Density: 1.02516g/cm ³ at 20°C; Hazardous; UN: 3264; Recommended Storage: Ambient; 5% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Potassium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|---|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLK2-1BY |
| Liquid; CAS [7697-37-2, 7440-09-7, 7732-18-5]; Boiling Point: 100°C; Density: 1.01006g/cm ³ at 20°C; Hazardous; UN: 3264; Recommended Storage: Ambient; ICP/MS; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Tin Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|---|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLSN1-1BY |
| Liquid; CAS [7647-01-0, 7440-31-5, 7732-18-5]; Boiling Point: 100°C; Density: 1.0075g/cm ³ at 20°C; UN: 1789; 1mg/L; ICP/MS; 5% HCl | | |

Sodium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|--|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLNA1-1BY |
| Liquid; CAS [7647-01-0, 7440-23-5, 7732-18-5]; Boiling Point: 100°C; Density: 1.003g/cm ³ at 20°C; UN: 1789; 1mg/L; ICP/MS; 2% HCl | | |

Tin Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|---|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLSN2-1BY |
| Liquid; CAS [7697-37-2, 7664-39-3, 7440-31-5, 7732-18-5]; Boiling Point: 100°C; Density: 1.00107 g/cm ³ at 20°C; UN: 3264; 1mg/L; ICP/MS; 2% HNO ₃ / tr HF | | |

Sodium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|---|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLNA2-1BY |
| Liquid; CAS [7697-37-2, 7440-23-5, 7732-18-5]; Boiling Point: 100°C; Density: 1.01006g/cm ³ at 20°C; Hazardous; UN: 3264; Recommended Storage: Ambient; ICP/MS; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Vanadium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|---|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLV2-1BY |
| Liquid; CAS [7697-37-2, 7440-62-2, 7732-18-5]; Boiling Point: 100°C; Density: 1.01006g/cm ³ at 20°C; Hazardous; UN: 3264; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Strontium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|---|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLSR1-1BY |
| Liquid; CAS [7647-01-0, 7440-24-6, 7732-18-5]; Boiling Point: 100°C; Density: 1.003g/cm ³ at 20°C; Hazardous; UN: 1789; Recommended Storage: Ambient; 2% HCl; NIST™-Traceable Certified Reference Material | | |

Vanadium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|---|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | CLV1-1BY |
| Liquid; CAS [7647-01-0, 7440-62-2, 7732-18-5]; Boiling Point: 100°C; Density: 1.003 g/cm ³ at 20°C; UN: 1789; 1mg/L; ICP/MS; 2% HCl | | |

Strontium Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|---|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLSR2-1BY |
| Liquid; CAS [7697-37-2, 7440-24-6, 7732-18-5]; Boiling Point: 100°C; Density: 1.01006g/cm ³ at 20°C; Hazardous; UN: 3264; Recommended Storage: Ambient; 2% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Zinc Standard Claritas PPT®



| Quantity | Packaging | Cat. No. |
|---|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLZN1-1BY |
| Liquid; CAS [7647-01-0, 7440-66-6, 7732-18-5]; Boiling Point: 100°C; Hazardous; UN: 1789; Recommended Storage: Ambient; 2% HCl; NIST™-Traceable Certified Reference Material | | |

Zinc Standard

Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLZN2-1BY |

Liquid; CAS [7697-37-2, 7440-66-6, 7732-18-5]; **Boiling Point:** 100°C; Hazardous; **UN:** 3264; **Recommended Storage:** Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Zirconium Standard

Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLZR1-1BY |

Liquid; CAS [7647-01-0, 7440-67-7, 7732-18-5]; **Boiling Point:** 100°C; Hazardous; **UN:** 1789; **Recommended Storage:** Ambient; 2% HCl; NIST™-Traceable Certified Reference Material

Zirconium Standard

Claritas PPT®



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | CLZR2-1BY |

Liquid; CAS [7697-37-2, 7440-67-7, 7732-18-5]; **Boiling Point:** 100°C; Hazardous; **UN:** 3264; **Recommended Storage:** Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Ion Chromatography (IC) Standards

Ammonia-Nitrogen Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-------------|
| 125mL | Triple-leached LDPE Bottle | AS-NH3N9-2Y |

CAS [NH3-N, 7732-18-5]; Nonhazardous; **Recommended Storage:** Ambient; H₂O; NIST™-Traceable Certified Reference Material

Bromate Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-------------|
| 125mL | Triple-leached LDPE Bottle | AS-BR039-2Y |

CAS [BrO3-, 7732-18-5]; Nonhazardous; **Recommended Storage:** Ambient; H₂O; NIST™-Traceable Certified Reference Material

Bromide Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | AS-BR9-2Y |
| 500mL | Triple-leached LDPE Bottle | AS-BR9-2X |

CAS [Br-, 7732-18-5]; Nonhazardous; **Recommended Storage:** Ambient; H₂O; NIST™-Traceable Certified Reference Material

Chloride Standard

IC



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 125mL | Triple-leached LDPE Bottle | ASCL9-2Y |
| 500mL | Triple-leached LDPE Bottle | AS-CL9-2X |

CAS [12125-02-9, 7732-18-5]; Nonhazardous; **Recommended Storage:** Ambient; H₂O; NIST™-Traceable Certified Reference Material

Cyanide Standard (Simple)



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | RSCN9-2Y |
| 500mL | Triple-leached LDPE Bottle | RSCN9-2X |

CAS [CN-, 7732-18-5]; Hazardous; **Recommended Storage:** Ambient; 2% KOH; NIST™-Traceable Certified Reference Material

Fluoride Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | AS-F9-2Y |
| 500mL | Triple-leached LDPE Bottle | AS-F9-2X |

CAS [F-, 7732-18-5]; Nonhazardous; **Recommended Storage:** Ambient; H₂O; NIST™-Traceable Certified Reference Material

Fluoride Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | AS-F9-1Y |
| 500mL | Triple-leached LDPE Bottle | AS-F9-1X |

CAS [F-, 7732-18-5]; Nonhazardous; **Recommended Storage:** Ambient; H₂O; NIST™-Traceable Certified Reference Material

Fluoride Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------|
| 500mL | Triple-leached LDPE Bottle | AS-F9-1AX |

CAS [F-, 7732-18-5]; Nonhazardous; **Recommended Storage:** Ambient; H₂O; NIST™-Traceable Certified Reference Material

Instrument Check Standard 1



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------|
| 125mL | Triple-leached LDPE Bottle | ICMIX1-100 |

Nonhazardous; **Recommended Storage:** Ambient; H₂O; NIST™-Traceable Certified Reference Material

Instrument Check Standard 2



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------|
| 125mL | Triple-leached LDPE Bottle | ICMIX2-100 |

Nonhazardous; **Recommended Storage:** Ambient; H₂O; NIST™-Traceable Certified Reference Material

Instrument Check Standard 3



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------|
| 125mL | Triple-leached LDPE Bottle | ICMIX3-100 |

CAS [7732-18-5]; Hazardous; **Recommended Storage:** Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Instrument Check Standard 6



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------|
| 125mL | Triple-leached LDPE Bottle | ICMIX6-100 |

Nonhazardous; **Recommended Storage:** Ambient; H₂O; NIST™-Traceable Certified Reference Material

Multi Ion Anion IC Standard Solution in H₂O

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 100mL | ---- | AA41693AE |

Liquid; Br⁻, Cl⁻, F⁻, NO₃⁻, PO₄⁻³ and SO₄⁻² at 100µg/mL. Keep refrigerated

Nitrate Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------|
| 125mL | Triple-leached LDPE Bottle | AS-N039-2Y |
| 500mL | Triple-leached LDPE Bottle | AS-N039-2X |

CAS [NO3-, 7732-18-5]; Nonhazardous; **Recommended Storage:** Ambient; H₂O; NIST™-Traceable Certified Reference Material

Nitrite Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------|
| 125mL | Triple-leached LDPE Bottle | AS-N029-2Y |
| 500mL | Triple-leached LDPE Bottle | AS-N029-2X |

CAS [NO2-, 7732-18-5]; Nonhazardous; **Recommended Storage:** Ambient; H₂O; NIST™-Traceable Certified Reference Material

Nitrite-Nitrogen Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-------------|
| 125mL | Triple-leached LDPE Bottle | AS-N02N9-2Y |
| 500mL | Triple-leached LDPE Bottle | AS-N02N9-2X |

CAS [NO2-N, 7732-18-5]; Nonhazardous; **Recommended Storage:** Ambient; H₂O; NIST™-Traceable Certified Reference Material

Phosphate Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------|
| 125mL | Triple-leached LDPE Bottle | AS-P049-2Y |
| 500mL | Triple-leached LDPE Bottle | AS-P049-2X |

CAS [P04-3, 7732-18-5]; Nonhazardous; **Recommended Storage:** Ambient; H₂O; NIST™-Traceable Certified Reference Material

Phosphate-Phosphorus Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-------------|
| 125mL | Triple-leached LDPE Bottle | AS-P04P9-2Y |

CAS [P04-P, 7732-18-5]; Nonhazardous; **Recommended Storage:** Ambient; H₂O; NIST™-Traceable Certified Reference Material

Sulfate Standard



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------|
| 125mL | Triple-leached LDPE Bottle | AS-S049-2Y |
| 500mL | Triple-leached LDPE Bottle | AS-S049-2X |

CAS [SO4-2, 7732-18-5]; Nonhazardous; **Recommended Storage:** Ambient; H₂O; NIST™-Traceable Certified Reference Material

UCMR3 Standard, 9 Component Mix



| Quantity | Packaging | Cat. No. |
|----------|----------------------------------|----------|
| 1mL | 2mL Amber Prescored Glass Ampule | UCMR-3 |

CAS [74-83-9, 74-87-3, 106-99-0, 74-97-5, 135-98-8, Various Additional]; Nonhazardous; **Recommended Storage:** Ambient; NIST™-Traceable Certified Reference Material

LC/MS Standards

LC/MS Daily Check Standard 1



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1mL | Glass Ampule | LCDC-1 |

Fluid; CAS [58-08-2, 50-55-5]; **Flash Point:** 5°C; **Boiling Point:** 81°C; **Density:** 0.7822g/cm³; **UN:** 1993; **Recommended Storage:** Freezer; EPA 535: Measurement of Chloroacetanilide and Other Acetamide Herbicide Degradates in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS); EPA 535; Solubility in water: fully miscible; Acetonitrile; **Caffeine:** 10µg/mL; **Explosion Limit:** 4.4% (volume); 16% (volume); **Ignition Point:** 525°C; **Physical Form:** Fluid; **Reserpine:** 10µg/mL; **Vapor Pressure:** 97 hPa (20°C)

LC/MS Daily Check Solution 2



| Quantity | Packaging | Cat. No. |
|----------|----------------------------------|----------|
| 1mL | 2mL Amber Prescored Glass Ampule | LCDC-2 |

Fluid; CAS [100-02-7, 58-08-2, 50-55-5]; **Flash Point:** 5°C; **Boiling Point:** 81°C; **Density:** 0.7822g/cm³; Nonhazardous; **UN:** 1993; **Recommended Storage:** Freezer; For US EPA Method 535; EPA 535; Solubility in water: fully miscible; Acetonitrile; **4 Nitrophenol:** 10µg/mL; **Caffeine:** 10µg/mL; **Explosion Limit:** 4.4% (volume); 16% (volume); **Ignition Point:** 525°C; **Reserpine:** 10µg/mL; **Vapor Pressure:** 97 hPa (20°C); NIST™-Traceable Certified Reference Material Organic Standard manufactured for GC, GC/MS, HPLC, LC/MS, and other analytical instrumentation

Matrix Modifiers

Lithium Metaborate, Fusion Flux Pure Crystal



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-------------|
| 1kg | Triple-leached LDPE Bottle | FFB-0000-02 |

Crystalline; CAS [Various]; Nonhazardous; **Recommended Storage:** Ambient; NIST™-Traceable Certified Reference Material

Lithium Metaborate, Fusion Flux Ultra-Pure Crystal



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-------------|
| 1kg | Triple-leached LDPE Bottle | FFB-0000-03 |

Crystalline; CAS [Various]; Nonhazardous; **Recommended Storage:** Ambient; NIST™-Traceable Certified Reference Material

Lithium Tetraborate, Fusion Flux Pure Crystal



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-------------|
| 1kg | Triple-leached LDPE Bottle | FFB-1000-02 |

Crystalline; CAS [Various]; Nonhazardous; **Recommended Storage:** Ambient; NIST™-Traceable Certified Reference Material

Lithium Tetraborate, Fusion Flux Ultra-Pure Crystal



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-------------|
| 1kg | Triple-leached LDPE Bottle | FFB-1000-03 |

Crystalline; CAS [Various]; Nonhazardous; **Recommended Storage:** Ambient; NIST™-Traceable Certified Reference Material

ORP Standards

Oxidation-Reduction Potential Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 500mL | Amber Glass Bottle | 5464516 |

CAS [7732-18-5, 7447-40-7, 14459-95-1, 13746-66-2]; +200mV vs. Ag/AgCl

Oxidation-Reduction Potential Standard



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 120mL | Amber Glass Bottle | 546464 |
| 500mL | Amber Glass Bottle | 5464616 |

Clear, Amber Liquid; CAS [7732-18-5, 7783-83-7, 7664-93-9, 7783-85-9]; +600mV vs. Ag/AgCl

USP Standards

2 Component Mix in DMSO

USP



| Quantity | Packaging | Cat. No. |
|----------|----------------------------------|----------|
| 1mL | 2mL Amber Prescored Glass Ampule | USPRSC3B |

Fluid; CAS [64-19-7, 64-18-6]; **Flash Point:** 95°C; **Boiling Point:** 189°C; **Density:** 1.1g/cm³; Nonhazardous; **Recommended Storage:** Freezer; USP 467 Standard; Solubility in water: fully miscible; **Acetic Acid:** 1000µg/mL; **Formic Acid:** 1000µg/mL; **Explosion Limit:** 1.8% (volume); 63% (volume); **Ignition Point:** 270°C; **Vapor Pressure:** 2.5 hPa (20°C); NIST™-Traceable Certified Reference Material Organic Standard manufactured for GC, GC/MS, HPLC, LC/MS, and other analytical instrumentation

5 Component Mix in DMSO

USP



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1mL | Glass Ampule | USPRSC1 |

Fluid; CAS [71-55-6, 75-35-4, 107-06-2, 56-23-5, 71-43-2]; **Flash Point:** 0°C (32°F); **Boiling Point:** 189°C; **Density:** 1.1g/cm³; **UN:** 1992; **Recommended Storage:** Freezer; USP 467: Residual Solvents/ Organic Volatile Impurities; USP 467 Standard; Solubility in water: fully miscible; **1,1,1-Trichloroethane:** 50,000µg/mL; **1,1-Dichloroethene:** 40,000µg/mL; **1,2-Dichloroethane:** 25,000µg/mL; **Benzene:** 10,000µg/mL; **Carbon Tetrachloride:** 20,000µg/mL; **Explosion Limit:** 1.8% (volume); 63% (volume); **Ignition Point:** 270°C; **Physical Form:** Fluid; **Vapor Pressure:** 2.5 hPa (20°C)

8 Component Mix in DMSO

USP



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1mL | Glass Ampule | USPRSC2B |
| 1mL | Glass Ampule | USPRSC2C |

Fluid; CAS [127-19-5, 68-12-2, 107-21-1, 872-50-4, 75-12-7, Various Additional]; **Flash Point:** 95°C; **Boiling Point:** 189°C; **Density:** 1.1g/cm³; **Recommended Storage:** Freezer; USP 467: Residual Solvents/ Organic Volatile Impurities; USP 467 Standard; Solubility in water: fully miscible; **1-Methyl 2 pyrrolidinone:** 2650µg/mL; **2-Ethoxyethanol:** 800µg/mL; **2-Methoxyethanol:** 250µg/mL; **Ethylene glycol:** 3100µg/mL; 63% (volume); **Formamide:** 1100µg/mL; **N,N-Dimethylacetamide:** 5450µg/mL; **N,N-Dimethylformamide:** 4400µg/mL; **Tetramethylene sulfone:** 800µg/mL; **Vapor Pressure:** 2.5 hPa (20°C) **Ignition Point:** 270°C; **Explosion Limit:** 1.8% (volume)

15 Component Mix in DMSO

USP



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1mL | Glass Ampule | USPRSC2A |

Fluid; CAS [67-68-5, 110-82-7, 67-56-1, 108-87-2, 108-38-3, Various Additional]; **Flash Point:** 95°C; **Boiling Point:** 189°C; **Density:** 1.1g/cm³; **Recommended Storage:** Freezer; USP 467: Residual Solvents/ Organic Volatile Impurities; **Ignition Point:** 270°C; USP 467 Standard; Solubility in water: fully miscible; **o-Xylene:** 980µg/mL; **1,4-Dioxane:** 1900µg/mL; **Chlorobenzene:** 1800µg/mL; **cis-1,2-Dichloroethene:** 4700µg/mL; **Cyclohexane:** 19,400µg/mL; **Ethylbenzene:** 1840µg/mL; **m-Xylene:** 6510µg/mL; **Methanol:** 15,000µg/mL; **Methylcyclohexane:** 5900µg/mL; **Methylene Chloride:** 3000µg/mL; **p-Xylene:** 1520µg/mL; **Tetrahydrofuran:** 3450µg/mL; **Toluene:** 4450µg/mL; **trans-1,2-Dichloroethene:** 4700µg/mL; **Explosion Limit:** 1.8% (volume); 63% (volume); **Vapor Pressure:** 2.5 hPa (20°C);

24 Component Mix in DMSO

USP



| Quantity | Packaging | Cat. No. |
|----------|----------------------------------|----------|
| 1mL | 2mL Amber Prescored Glass Ampule | USPRSC3A |

Fluid; CAS [71-36-3, 71-41-0, 71-23-8, 78-92-2, 78-93-3, Various Additional]; **Flash Point:** 95°C; **Boiling Point:** 189°C; **Density:** 1.1g/cm³; Nonhazardous; **Recommended Storage:** Freezer; USP 467 Standard; Solubility in water: fully miscible; **1-Butanol:** 1000µg/mL; **1-Pentanol:** 1000µg/mL; **1-Propanol:** 1000µg/mL; **2-Butanol:** 1000µg/mL; **2-Butanone:** 1000µg/mL; **2-Methyl 1 propanol:** 1000µg/mL; **2-Propanol:** 1000µg/mL; **3-Methyl 1 butanol:** 1000µg/mL; **4-Methyl 2 pentanone:** 1000µg/mL; **Acetone:** 1000µg/mL; **Acetonitrile:** 1000µg/mL; **Anisole:** 1000µg/mL; **Butyl acetate:** 1000µg/mL; **Ethanol:** 1000µg/mL; **Ether:** 1000µg/mL; **Ethyl acetate:** 1000µg/mL; **Ethyl formate:** 1000µg/mL; **Isobutyl acetate:** 1000µg/mL; **Isopropylbenzene:** 1000µg/mL; **Methyl Acetate:** 1000µg/mL; **n-Heptane:** 1000µg/mL; **n-Pentane:** 1000µg/mL; **Propyl acetate:** 1000µg/mL; **tert-Butyl methyl ether:** 1000µg/mL; **Explosion Limit:** 1.8% (volume); 63% (volume); **Ignition Point:** 270°C; **Vapor Pressure:** 2.5 hPa (20°C); NIST™-Traceable Certified Reference Material Organic Standard manufactured for GC, GC/MS, HPLC, LC/MS, and other analytical instrumentation

Elemental Impurities A



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | USPTXM2 |

CAS [Various]; Hazardous; **Recommended Storage:** Ambient; 5% HNO₃; NIST™-Traceable Certified Reference Material

Metal Impurities B (with Os)



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | USPTXM3 |

CAS [Various]; Hazardous; **Recommended Storage:** Ambient; **Application:** 15% HCl; NIST™-Traceable Certified Reference Material

Metals Impurities B (without Os)



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | USPTXM4 |

CAS [Various]; Hazardous; **Recommended Storage:** Ambient; 15% HCl; NIST™-Traceable Certified Reference Material

Elemental Impurities C



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|----------------|
| 125mL | Triple-leached LDPE Bottle | USPTXM5 |

CAS [Various]; Hazardous; **Recommended Storage:** Ambient; 5% HNO₃; NIST™-Traceable Certified Reference Material

Elemental Impurities D (Big 4)



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------------|
| 125mL | | USPTXM6 |

CAS [Various]; Hazardous; **Recommended Storage:** Ambient; USP 232; 5% HNO₃

Quality Control and Proficiency Samples

ICP Quality Control Standard 7

For Environmental Analysis



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------------|
| 125mL | Triple-leached LDPE Bottle | QC-7 |
| 500mL | Triple-leached LDPE Bottle | QC-7-500 |

Hazardous; **Recommended Storage:** Ambient; 5% HNO₃/tr F; NIST™-Traceable Certified Reference Material

ICP Quality Control Standard 7A

For Environmental Analysis



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------------|
| 125mL | Triple-leached LDPE Bottle | QC-7A |
| 500mL | Triple-leached LDPE Bottle | QC-7A-500 |

Hazardous; **Recommended Storage:** Ambient; 5% HNO₃/Tr. HF; NIST™-Traceable Certified Reference Material

ICP Quality Control Standard 21

For Environmental Analysis



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------------|
| 125mL | Triple-leached LDPE Bottle | QC-21 |
| 500mL | Triple-leached LDPE Bottle | QC-21-500 |

Hazardous; **Recommended Storage:** Ambient; 5% HNO₃/tr Tart. Acid/tr HF; NIST™-Traceable Certified Reference Material

ICP Quality Control Standard 21

Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-----------------|
| 125mL | Triple-leached LDPE Bottle | CL-QC-21 |

Hazardous; **Recommended Storage:** Ambient; 5% HNO₃/tr Tart. Acid/tr HF; NIST™-Traceable Certified Reference Material

Instrument Check Standard 7

For Environmental Analysis



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|--------------------|
| 125mL | Triple-leached LDPE Bottle | CALMIX7-100 |

Hazardous; **Recommended Storage:** Ambient; 2% HNO₃; NIST™-Traceable Certified Reference Material

Interferents A2

Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------------|
| 125mL | Triple-leached LDPE Bottle | CL-INT-A2 |

Hazardous; **Recommended Storage:** Ambient; 5% HNO₃/tr HF; NIST™-Traceable Certified Reference Material

LFS Solution 1

For Environmental Analysis



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------------|
| 500mL | Triple-leached LDPE Bottle | LFS-1-500 |

Hazardous; **Recommended Storage:** Ambient; 5% HNO₃/tr Tart. Acid/tr HF; NIST™-Traceable Certified Reference Material

LPC Standard 1

For Environmental Analysis



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------------|
| 125mL | Triple-leached LDPE Bottle | LPC-1-100 |
| 500mL | Triple-leached LDPE Bottle | LPC-1-500 |

CAS [Various]; Hazardous; **Recommended Storage:** Ambient; 5% HNO₃/tr Tart. Acid/tr HF; NIST™-Traceable Certified Reference Material

LPC Standard 1 w/o Mercury

For Environmental Analysis



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|-------------------|
| 125mL | Triple-leached LDPE Bottle | LPC-1-100N |
| 500mL | Triple-leached LDPE Bottle | LPC-1-500N |

CAS [Various]; Hazardous; **Recommended Storage:** Ambient; 5% HNO₃/tr Tart. Acid/tr HF; NIST™-Traceable Certified Reference Material

Tuning Solution 1

Trace ICP/ICP-MS Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------------------|------------------|
| 125mL | Triple-leached LDPE Bottle | CL-TUNE-1 |

Hazardous; **Recommended Storage:** Ambient; 5% HCl/2% HNO₃; NIST™-Traceable Certified Reference Material

QuEChERS AOAC Internal Standard Mix



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------------------|
| 5 × 1mL | Glass Ampule | QUECR-AOAC-TT |

CAS [115-86-6]; 2µg/mL

QuEChERS AOAC Internal Standard Mix



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------------------|
| 5 × 1mL | Glass Ampule | QUECR-AOAC-IS |

CAS [86194-41-4, 350820-04-1]; 40µg/mL

QuEChERS AOAC QC Spike Mix



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------------------|
| 5 × 1mL | Glass Ampule | QUECR-AOAC-QC |

CAS [1912-24-9, 131860-33-8, 82657-04-3, 63-25-2, 1897-45-6, 2921-88-2]; 40µg/mL

QuEChERS GC/ECD Internal Standard Mix



| Quantity | Packaging | Cat. No. |
|----------|--------------|---------------------|
| 5 × 1mL | Glass Ampule | QUECR-ECD-IS |

CAS [35693-99-3, 37680-65-2, 7012-37-5, 13674-87-8]; 50µg/mL

QuEChERS GC/MS QC Standard 2



| Quantity | Packaging | Cat. No. |
|----------------|--------------|--------------|
| 5 × 1mL | Glass Ampule | QUECR-MS-QC2 |
| CAS [120-12-7] | | |

QuEChERS GC/NPD and LC/MS Internal Standard Mix



| Quantity | Packaging | Cat. No. |
|----------------------------|--------------|----------------|
| 5 × 1mL | Glass Ampule | QUECR-NPD-MS-I |
| CAS [13674-87-8, 115-86-6] | | |

QuEChERS GC/MS Internal Standard Mix



| Quantity | Packaging | Cat. No. |
|---|--------------|-----------|
| 5 × 1mL | Glass Ampule | QUECRMSIS |
| CAS [35693-99-3, 37680-65-2, 7012-37-5, 13674-87-8, 115-86-6, 519-73-3] | | |

QuEChERS Internal Standard PCB 18



| Quantity | Packaging | Cat. No. |
|---------------------------|--------------|--------------|
| 5 × 1mL | Glass Ampule | QUECR-PCB-18 |
| CAS [37680-65-2]; 50µg/mL | | |

QuEChERS Internal Standard PCB 28



| Quantity | Packaging | Cat. No. |
|--------------------------|--------------|--------------|
| 5 × 1mL | Glass Ampule | QUECR-PCB-28 |
| CAS [7012-37-5]; 50µg/mL | | |

QuEChERS Internal Standard PCB 52



| Quantity | Packaging | Cat. No. |
|---------------------------|--------------|--------------|
| 5 × 1mL | Glass Ampule | QUECR-PCB-52 |
| CAS [35693-99-3]; 50µg/mL | | |

QuEChERS Internal Standard PCB 138



| Quantity | Packaging | Cat. No. |
|---------------------------|--------------|---------------|
| 5 × 1mL | Glass Ampule | QUECR-PCB-138 |
| CAS [35065-28-2]; 50µg/mL | | |

QuEChERS Internal Standard PCB 153



| Quantity | Packaging | Cat. No. |
|---------------------------|--------------|---------------|
| 5 × 1mL | Glass Ampule | QUECR-PCB-153 |
| CAS [35065-27-1]; 50µg/mL | | |

QuEChERS Internal Standard Triphenylmethane



| Quantity | Packaging | Cat. No. |
|-------------------------|--------------|------------|
| 5 × 1mL | Glass Ampule | QUECR-5190 |
| CAS [519-73-3]; 10µg/mL | | |

QuEChERS Internal Standard Triphenylphosphate



| Quantity | Packaging | Cat. No. |
|-------------------------|--------------|------------|
| 5 × 1mL | Glass Ampule | QUECR-3765 |
| CAS [115-86-6]; 20µg/mL | | |

QuEChERS Internal Standard Tris(dichloroisopropyl)phosphate



| Quantity | Packaging | Cat. No. |
|---------------------------|--------------|------------|
| 5 × 1mL | Glass Ampule | QUECR-4381 |
| CAS [13674-87-8]; 50µg/mL | | |

QuEChERS LC/MS Internal Standard



| Quantity | Packaging | Cat. No. |
|-------------------------|--------------|---------------|
| 5 × 1mL | Glass Ampule | QUECR-LCMS-IS |
| CAS [330-95-0]; 10µg/mL | | |

QuEChERS QC Standard 1



| Quantity | Packaging | Cat. No. |
|------------------------------|--------------|--------------|
| 5 × 1mL | Glass Ampule | QUECR-MS-QC1 |
| CAS [35065-28-2, 35065-27-1] | | |

Wastewater Standards

Trace Metals I For Environmental Analysis



| Quantity | Packaging | Cat. No. |
|---|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | WP-15 |
| CAS [Various]; Hazardous; Recommended Storage: Ambient; 5% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

Trace Metals I w/o Mercury For Environmental Analysis



| Quantity | Packaging | Cat. No. |
|---|----------------------------|----------|
| 125mL | Triple-leached LDPE Bottle | WP-15N |
| CAS [Various]; Hazardous; Recommended Storage: Ambient; 5% HNO ₃ ; NIST™-Traceable Certified Reference Material | | |

MAKE YOUR LAB CONTAMINANT-FREE



Products for Molecular Biology

Safely precipitate DNA and RNA from your samples with Decon Labs Molecular Biology Ethanol and remove unwanted DNA and RNase contamination from glass, plastics, stainless steel, pipettes, gel boxes, and bench tops with Decon Labs ELIMINase and RNase Displace. ELIMINase can also be used to remove radioactive contamination, along with NoCount aerosol spray that safely removes contaminants from all hard surfaces. If you need to dilute your ethanol or rinse away RNase Displace or ELIMINase, Decon Labs offers Molecular Biology Water, which is highly purified water tested for the absence of RNase, DNase and Protease.

Visit fishersci.com/DeconLabs to learn more.

Acetic Acid, Glacial Sequencing Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|------------|
| 500mL | Glass Bottle | BP1185-500 |

Clear colorless liquid; $\geq 99.7\%$; $C_2H_4O_2$; CH_3COOH ;
F.W. 60.05; CAS [64-19-7];
Melting Point: 16° to 16.5°C (60.8° to 61.7°F);
Flash Point: 40°C;
Boiling Point: 117° to 118°C (242.6° to 244.4°F);
Density: 2.10 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 2789;
Recommended Storage: Room Temperature;
 Aldehyde-free; Soluble in water;
 For DNA sequencing and other biological applications such as DNA/
 RNA electrophoresis.



Acrylamide Solution Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1L | Amber Glass Bottle | BP1402-1 |

C_3H_5NO ; CAS [79-06-1, 7732-18-5];
Melting Point: 83° to 85°C (181.4° to 185°F);
Boiling Point: 125°C at 25 mm Hg; **Density:** 2.45 (Air = 1.0);
DOT Class 6.1: Poison; **UN:** 2810; **Recommended Storage:** 4°C;
 40%; **pH:** 6.0 to 7.0 (at 25°C); Soluble in water



Acetic Acid, Glacial Certified ACS Plus



| Quantity | Packaging | Cat. No. |
|----------|--------------|------------|
| 2.5L | Glass Bottle | BP2401-212 |

Vinegar Acid; $C_2H_4O_2$; CH_3COOH ; **F.W.** 60.05;
 CAS [64-19-7]; **DOT Class 8:** Corrosive; **UN:** 2789;
Recommended Storage: Room Temperature



Acetone-Alcohol



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | 20032 |
| 4L | Poly Bottle | 2001 |
| 20L | Cubitainer™ | 2005 |

CAS [64-17-5, 67-64-1]; 1 + 1 Decolorizer Solution

Acetonitrile DNA Synthesis



| Quantity | Packaging | Cat. No. |
|----------|--------------|-------------|
| 4L | Glass Bottle | BP1170-4 |
| 19L | NOWPAK I | BP1170N1-19 |

$\geq 99.9\%$; C_2H_3N ; **F.W.** 41.05; CAS [75-05-8];
Melting Point: -45°C (-49°F);
Flash Point: 12.8°C (55°F); **Boiling Point:** 81.6°C;
Density: 1.42 (Air = 1.0);
DOT Class 3: Flammable Liquid; **UN:** 1648;
Recommended Storage: Room Temperature; Colorless
Refractive Index: 1.3405 to 1.3425
 Soluble in water



Acrylamide: Bis-Acrylamide 19:1 Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | BP1408-1 |

Clear colorless liquid; DNase-, RNase- and Protease-Free;
 CAS [79-06-1, 110-26-9, 7732-18-5]; **DOT Class 6.1:** Poison;
UN: 2810; **Recommended Storage:** 4°C;
 40% Solution; Report (at 25°C); Soluble in water;
 For DNA sequencing and separation of low-molecular-weight proteins.
 19:1 concentration is based on the total weight of both the acrylamide
 and bis-acrylamide.



Acrylamide: Bis-Acrylamide 29:1 Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 100g | Poly Bottle | BP1366-100 |

Powder; CAS [79-06-1, 110-26-9]; **DOT Class 6.1:** Poison;
UN: 2074; **Recommended Storage:** Room Temperature



Acrylamide: Bis-Acrylamide 37.5:1 Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | BP1410-1 |

Clear colorless liquid; DNase-, RNase- and Protease-Free;
 CAS [79-06-1, 110-26-9, 7732-18-5]; **DOT Class 6.1:** Poison;
UN: 2810; **Recommended Storage:** 4°C;
 40% Solution; Soluble in water;
 For DNA sequencing and separation of high-molecular-weight proteins.
 37.5:1 concentration is based on the total weight of both the acrylamide
 and bis-acrylamide.



Acrylamide Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100g | Poly Bottle | BP170-100 |
| 500g | Poly Bottle | BP170-500 |
| 5kg | Poly Pail | BP170-5 |

White, Needle-like Crystals; DNase-, RNase- and
 Protease-Free; $\geq 99.9\%$; C_3H_5NO ; $CH_2CHCONH_2$;
F.W. 71.08; CAS [79-06-1];
Melting Point: 82° to 86°C (179.6° to 186.8°F);
Flash Point: 138°C; **Boiling Point:** 125°C at 25 mmHg;
Density: 2.45 (Air = 1.0); **DOT Class 6.1:** Poison; **UN:** 2074;
Recommended Storage: Room Temperature
pH: 6.0 to 7.0 (10% solution); Ultra-Pure, Triple-Crystallized.



Acrylamide: Bis-Acrylamide 37.5:1 Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 100g | Poly Bottle | BP1368-100 |

Powder; CAS [79-06-1, 110-26-9]; **DOT Class 6.1:** Poison;
UN: 2074; **Recommended Storage:** Room Temperature



Actinomycin-D



| Quantity | Packaging | Cat. No. |
|----------|-----------------|----------|
| 10mg | Poly Micro Tube | BP606-10 |

Red Crystals; $\geq 98\%$; $C_{62}H_{86}N_{12}O_{16}$; F.W. 1255.44; CAS [50-76-0];
Melting Point: 245° to 252°C (473° to 485.6°F);

Recommended Storage: 4°C;

Soluble in Methanol; Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.;
 Isolated from *Streptomyces parvulus*.

ChemAlert!
Storage Code
BLUE

AEBSF Hydrochloride



| Quantity | Packaging | Cat. No. |
|----------|-----------------|-----------|
| 50mg | Poly Micro Tube | BP635-50 |
| 500mg | Poly Micro Tube | BP635-500 |

White to off-white powder; $\geq 98.0\%$;

4-(2-Aminoethyl)-Benzenesulfonyl Fluoride HCl, Pefabloc™;
 $C_8H_{10}FNO_2SHCl$; F.W. 239.70; CAS [30827-99-7];

Melting Point: 175° to 177°C; **Recommended Storage:** Room Temperature

For R and D use only; not for manufacturing or commercial purposes.

ChemAlert!
Storage Code
GRAY

Agar



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 500g | Poly Bottle | BP9744-500 |
| 2kg | Poly Pail | BP9744-2 |
| 5kg | Poly Pail | BP9744-5 |

Beige Powder; Gelose; CAS [9002-18-0]; Recommended storage: Keep container tightly closed in a dry, cool and well-ventilated place; Odorless; pH: 6-8 suspension;
 Melting Point: 0.0°C (32°F)

Agarose

Genetic Analysis Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 100g | Poly Bottle | BP1356-100 |
| 500g | Poly Bottle | BP1356-500 |

White Powder; DNase- and RNase-Free; $C_{12}H_{18}O_9$;

F.W. 306.12; CAS [9012-36-6]; **Density:** 1.7g/mL;

Recommended Storage: Room Temperature;

Broad Separation Range for DNA/RNA (500bp to 25kb);

Certified for recovery of DNA and RNA. Reliable digestion and ligation of recovered DNA or RNA fragments. Cloning.

For routine nucleic acid electrophoresis (500bp - 25kb).

Gel Strength: $>1200g/cm^2$. EEO (-Mr): <0.15 .

Gelation Temperature: 34.5° - 37.5°C

Moisture Content: $<10\%$

ChemAlert!
Storage Code
GRAY

Agarose

Protein Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100g | Poly Bottle | BP164-100 |
| 500g | Poly Bottle | BP164-500 |

White Crystals or Crystalline Powder;

DNase- and RNase-Free; $C_{12}H_{18}O_9$; F.W. 306.12;

CAS [9012-36-6]; **Recommended Storage:** Room Temperature

Typically used in protein electrophoresis applications such as

CIEP (counter-immunoelectrophoresis).

Gel Strength: $>800g/cm^2$. EEO (-Mr): <0.1 .

Gelation Temperature: 40.5° to 43.5°C

Moisture Content: $<10\%$

ChemAlert!
Storage Code
GRAY

Agarose

Protein Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100g | Poly Bottle | BP162-100 |

$C_{12}H_{18}O_9$; F.W. 306.12; CAS [9012-36-6]; **Density:** 1.7g/mL;
Recommended Storage: Room Temperature; High-EEO

ChemAlert!
Storage Code
GRAY

Agarose

PCR Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 100g | Poly Bottle | BP2410-100 |

White Crystalline Powder; DNase- and RNase-Free; $C_{12}H_{18}O_9$;

F.W. 306.12; CAS [9012-36-6]; **Density:** 1.7g/mL;

Recommended Storage: Room Temperature;

Intermediate Melting;

Gel Strength: $>1200g/cm^2$

EEO (-Mr): <0.12

Gelation Temperature: 35.5°C

Moisture Content: $<10\%$

ChemAlert!
Storage Code
GRAY

Agarose

Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100g | Poly Bottle | BP160-100 |
| 500g | Poly Bottle | BP160-500 |

White Crystals or Crystalline Powder;

DNase- and -RNase-Free; $C_{12}H_{18}O_9$; CAS [9012-36-6];

Density: 1.7g/mL; **Recommended Storage:** Room temperature;

Low-EEO/Multi-Purpose;

High gel strength ideal for Southern and Northern blotting. PCR $>1kb$.

Immunoprecipitation techniques. Baculovirus screening. Colony lifts.

For routine electrophoresis of DNA and RNA (wide resolution range

500 bp to 23kb)

Gel Strength: $>1200g/cm^2$. EEO (-Mr): 0.09 - 0.13.

Gelation Temperature: 34° to 45°C

Moisture Content: $<10\%$

ChemAlert!
Storage Code
GRAY

Agarose

Genetic Analysis Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 100g | Poly Bottle | BP1360-100 |

White Powder; DNase- and RNase-Free; $C_{12}H_{18}O_9$;

F.W. 306.12; CAS [9012-36-6]; **Density:** 1.7g/mL;

Recommended Storage: Room Temperature; $<1kb$ DNA/RNA;

Low melting temperature agarose. For certified recovery

of small nucleic acid fragments. Outstanding resolution of PCR and

RT-PCR fragments from 50 to 1000 bp. In-gel PCR. In-gel ligations/

transformations.

Gel Strength: $>500g/cm^2$. EEO (-Mr): <0.15

Gelation Temperature: $<35^\circ C$

Melting Temperature: $<65^\circ C$

ChemAlert!
Storage Code
GRAY

Agarose

Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 25g | Poly Bottle | BP165-25 |

DNase- and RNase-Free; $C_{12}H_{18}O_9$; F.W. 306.12;

CAS [9012-36-6]; **Density:** 1.7g/mL;

Recommended Storage: Room Temperature;

Low-Melting, Nucleic Acid Recovery

Original low melting temperature agarose for separation of nucleic

acids from 200 bp to 25kb. Preparative DNA and RNA electrophoresis.

Ideally suited for DNA and RNA recovery. Cloning of tissue culture

cells and viral plaque assays.

For nucleic acid separation (200 bp to 25kb)

Gel Strength: $>200g/cm^2$. EEO (-Mr): <0.1

Gelation Temperature: 26° to 30°C

Moisture Content: $<10\%$

ChemAlert!
Storage Code
GRAY

Agarose Protein Electrophoresis Grade

| F | Quantity | Packaging | Cat. No. |
|----------|----------|-------------|-----------|
| | 100g | Poly Bottle | BP161-100 |

$C_{12}H_{18}O_6$; F.W. 306.12; CAS [9012-36-6]; Density: 1.7g/mL;
Recommended Storage: Room Temperature; Medium-EEO

ChemAlert® Storage Code GRAY

Agarose Gel-Loading Dye, 6X Molecular Biology Grade

| F | Quantity | Packaging | Cat. No. |
|----------|----------|-------------|----------|
| | 5mL | Poly Bottle | BP633-5 |

CAS [915-67-3, 26873-85-8]; **Recommended Storage:** Room Temperature; Contains 15% Ficoll™ 400

ChemAlert® Storage Code GRAY

Agarose, Low EEO Electrophoresis Grade

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|-----------------------|----------|--------------|--------------|
| | 100g | Glass Bottle | AC15982-1000 |

CAS [9012-36-6]; Solubility in water: soluble in hot water. Other solubilities: insoluble in most common organic solvents; TSCA

Albumin-Glycerol Fixative

| M END HELLPORE | Quantity | Packaging | Cat. No. |
|-----------------------|----------|----------------|-----------|
| | 500mL | Plastic Bottle | MR0320374 |

For mounting tissue sections.

Alcohol

| M END HELLPORE | Quantity | Packaging | Cat. No. |
|-----------------------|----------|-------------|----------|
| | 4L | Poly Bottle | 23794206 |

Liquid; 100%; C_2H_5OH ; F.W. 46.7 Clear, colorless; HARLECO™

Alcohol

| M END HELLPORE | Quantity | Packaging | Cat. No. |
|-----------------------|----------|-------------|----------|
| | 4L | Poly Bottle | 23794203 |

Liquid; 70%; C_2H_5OH ; F.W. 46.8; Clear, colorless; HARLECO™

Alizarin Red S Pure

| ACRÖS ORGANICS | Quantity | Packaging | Cat. No. |
|-----------------------|----------|--------------|--------------|
| | 100g | Glass Bottle | AC40048-1000 |

C.I. 58005, 9,10-Dihydro-3,4-dihydroxy-9, 10-dioxo-2-anthracenesulfonic acid, sodium salt, Mordant Red 3, Sodium alizarinesulfonate; $C_{14}H_7NaO_6S$; F.W. 342.26; CAS [130-22-3]; Solubility in water: moderately soluble. Other solubilities: soluble in ethanol; TSCA

4-(2-Aminoethyl)benzenesulfonyl Fluoride Hydrochloride

| F | Quantity | Packaging | Cat. No. |
|----------|----------|--------------------|----------|
| | 1g | Amber Glass Bottle | BP2644-1 |

White Powder; $\geq 97\%$; AEBSF; $C_8H_{10}FNO_2SHCl$; F.W. 239.7; CAS [30827-99-7]; **Melting Point:** 175°C;
Recommended Storage: Room Temperature, protect from light; Not on TSCA inventory; for R and D use only; not for manufacturing or commercial purposes.
 Similar in structure to the commonly used inhibitor PMSF, AEBSF offers better solubility in water, lower toxicity, greater stability and higher inhibitory activity.
 AEBSF belongs to the family of irreversible sulfonyl fluoride inhibitors that block trypsin and chymotrypsin-type enzymes.

ChemAlert® Storage Code GRAY

Ammonium Acetate

| F | Quantity | Packaging | Cat. No. |
|----------|----------|--------------|-----------|
| | 500g | Poly Bottle | BP326-500 |
| | 1kg | Glass Bottle | BP326-1 |

White Crystals; $\geq 97\%$; Acetic Acid Ammonium Salt; $C_2H_7NO_2$; CH_3COONH_4 ; F.W. 77.08; CAS [631-61-8];
Melting Point: 110°C (230°F); **Flash Point:** 136°C;
Density: 1.07g/mL; **Recommended Storage:** 4°C;
pH: 6.7 to 7.3 (at 25°C); Soluble in Methanol

ChemAlert® Storage Code GRAY

Ammonium Bicarbonate

| F | Quantity | Packaging | Cat. No. |
|----------|----------|-------------|------------|
| | 500g | Poly Bottle | BP2413-500 |

Fine White Crystalline Powder; 21.30 to 21.73%; Acid Ammonium Carbonate, Ammonium Hydrogen Carbonate; CH_5NO_3 ; NH_4HCO_3 ; F.W. 79.06; CAS [1066-33-7];
Melting Point: 105°C; **Recommended Storage:** Room Temperature

ChemAlert® Storage Code GRAY

Ammonium Persulfate Electrophoresis Grade

| F | Quantity | Packaging | Cat. No. |
|----------|----------|--------------|-----------|
| | 25g | Glass Bottle | BP179-25 |
| | 100g | Glass Bottle | BP179-100 |

Colorless to White Crystals; $\geq 98.0\%$; APS, Ammonium Peroxydisulfate; $H_8N_2O_8S_2$; $(NH_4)_2S_2O_8$; F.W. 228.19; CAS [7727-54-0]; **Melting Point:** 120°C;
Density: 1.980g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1444;
Recommended Storage: Room Temperature
 Soluble in water

ChemAlert® Storage Code YELLOW

Ammonium Sulfate

| F | Quantity | Packaging | Cat. No. |
|----------|----------|-------------|-----------|
| | 1kg | Poly Bottle | BP212R-1 |
| | 2.5kg | Poly Bottle | BP212-212 |

Sulfuric Acid Diammonium Salt, Diammonium Sulfate; $H_8N_2O_4S$; $(NH_4)_2SO_4$; F.W. 132.14; CAS [7783-20-2];
Recommended Storage: Room Temperature
pH: 5 to 6 (at 25°C); Soluble in water

ChemAlert® Storage Code GRAY

Amphotericin B

| F | Quantity | Packaging | Cat. No. |
|----------|----------|--------------------|-----------|
| | 250mg | Amber Glass Bottle | BP928-250 |

Yellow Powder; $C_{47}H_{73}NO_{17}$; F.W. 924.09; CAS [1397-89-3];
Melting Point: >170°C; **Recommended Storage:** -20°C;
 Solubility in water: insoluble; Not on TSCA inventory; For R and D use only; not for manufacturing or commercial purposes.

ChemAlert® Storage Code GRAY

Ampicillin Sodium Salt

| F | Quantity | Packaging | Cat. No. |
|----------|----------|-------------|-----------|
| | 5g | Poly Bottle | BP1760-5 |
| | 25g | Poly Bottle | BP1760-25 |

Crystalline Powder; Ampicillin; $C_{16}H_{18}N_3O_4SNa$; F.W. 371.39; CAS [69-52-3]; **Melting Point:** 215.0°C
pH: 8.0 to 10.0 (1% Solution); Soluble in water;
 Not on TSCA inventory; For R and D use only; not for manufacturing or commercial purposes.
 For selection for ampicillin resistance in mutated and transformed cells.

ChemAlert® Storage Code BLUE

Ampicillin Trihydrate

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 25g | Poly Bottle | BP902-25 |

Off-White Powder; $C_{16}H_{19}N_3O_5 \cdot 3H_2O$; **F.W.** 403.25; CAS [7177-48-2]; **Melting Point:** 197.8°C; **Recommended Storage:** 4°C; **pH:** 3.5 to 6.0 (1% solution); Solubility in water: slight; Not on TSCA inventory; For R and D use only; not for manufacturing or commercial purposes.



D-Biotin

| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1g | Amber Glass Bottle | BP232-1 |

≥99%; Vitamin B₇; $C_{10}H_{16}N_2O_3S$; **F.W.** 244.31; CAS [58-85-5]; **Melting Point:** 228.9°C; **Recommended Storage:** -20°C
Soluble in water. Not for human use.



Aniline Blue

Certified Biological Stain

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | A967-25 |

Water Soluble; Acid Blue 93, Methyl Blue, Acid Blue, Soluble Blue; $C_{22}H_{25}N_3O_5S_3Na_2$; **F.W.** 799.8; CAS [28631-66-5]; **C.I.** 42780



Bis-Acrylamide

Electrophoresis Grade

| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 25g | Poly Bottle | BP171-25 |
| 100g | Poly Bottle | BP171-100 |

≥95%; N,N'-Methylene-bis-acrylamide; $C_7H_{10}N_2O_2$; $CH_2CHCONHCH_2NHCOCHCH_2$; **F.W.** 154.17; CAS [110-26-9]; **Melting Point:** >300°C; **Density:** 5.31 (Air = 1.0); **Recommended Storage:** 4°C
pH: 5.0 min. (1% Solution); Solubility in water: slight



L-Arginine

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | BP370-100 |

White Crystals or Crystalline Powder; 98.5 to 101.0%; $C_6H_{14}N_4O_2$; **F.W.** 174.2; CAS [74-79-3]; **Melting Point:** 223° to 224°C; **Density:** 1.3g/mL; **Recommended Storage:** Room Temperature

Bis-Tris

| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100g | Poly Bottle | BP301-100 |

Fine White Crystals; ≥99%; 2,2-Bis(hydroxymethyl)-2,2',2''-nitrioltriethanol, 2-Bis(2-hydroxyethyl)amino-2-(hydroxymethyl)-1,3-propanediol, Bis(2-hydroxyethyl)amino-tris(hydroxymethyl)methane; $C_8H_{18}NO_5$; $(HOCH_2CH_2)_2NC(CH_2OH)_3$; **F.W.** 209.24; CAS [6976-37-0]; **Melting Point:** 103° to 104°C (217.4° to 219.2°F); **Recommended Storage:** Room Temperature
Soluble in water; Commonly used buffering agent.



L-Arginine Hydrochloride

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | BP372-100 |

White Crystals or Crystalline Powder; 98.5 to 101.0%; $C_6H_{14}N_4O_2 \cdot ClH$; **F.W.** 210.58; CAS [1119-34-2]; **Melting Point:** 226° to 230°C; **Boiling Point:** 235°C; **Recommended Storage:** Room Temperature



L-Ascorbic Acid

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500g | Glass Bottle | BP351-500 |

White Crystalline Powder; ≥99.0%; Vitamin C; $C_6H_8O_6$; **F.W.** 176.13; CAS [50-81-7]; **Melting Point:** 190°C; **Density:** 1.65g/mL; **Recommended Storage:** Room Temperature. Not for human use.



Blastidicin S Hydrochloride

| Quantity | Packaging | Cat. No. |
|----------|--------------------|------------|
| 25mg | Amber Glass Bottle | BP2647-25 |
| 50mg | Amber Glass Bottle | BP2647-50 |
| 100mg | Amber Glass Bottle | BP2647-100 |

White Powder; ≥99.0%; BLA-S, Cytovirin; $C_{17}H_{28}N_8O_5 \cdot HCl$; **F.W.** 458.69; CAS [3513-03-9]; **Melting Point:** 248° to 252°C (478.4° to 485.6°F); **Recommended Storage:** 0° to 5°C
From *Streptomyces griseochromogenes*; Not on TSCA inventory; for R and D use only; not for manufacturing or commercial purposes.



Benzamidine Hydrochloride Hydrate

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 25g | Poly Bottle | BP435-25 |

White Crystalline Powder; ≥99.0%; Benzamidine Chloride; $C_7H_8N_2 \cdot HCl$; **F.W.** 156.61; CAS [1670-14-0, 206752-36-5]; **Melting Point:** 167° to 171°C; **Recommended Storage:** 4°C



Boric Acid

Electrophoresis Grade

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500g | Glass Bottle | BP168-500 |
| 1kg | Poly Bottle | BP168-1 |

Crystalline; DNase-Free; ≥99%; H_3BO_3 ; **F.W.** 61.83; CAS [10043-35-3]; **Melting Point:** 169°C; **Recommended Storage:** Room Temperature
Solubility in water: partially soluble



Bicine

| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 250g | Poly Bottle | BP2646-250 |
| 1kg | Poly Bottle | BP2646-1 |

White Powder; N,N-bis [2-hydroxyethyl]glycine; $C_6H_{13}NO_4$; $(HOCH_2CH_2)_2NCH_2COOH$; **F.W.** 163.2; CAS [150-25-4]; **Recommended Storage:** Room Temperature



Brij™ 35

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500g | Glass Bottle | BP345-500 |

Polyoxyethylene (23) Lauryl Ether; $C_{28}H_{118}O_{24}$; $C_{12}H_{25}(OCH_2CH_2)_n$; **F.W.** 1199.56; CAS [9002-92-0]; **Melting Point:** 40° to 42°C; **Recommended Storage:** Room Temperature
Avg. Molecular Wt.: ~600.



Brilliant Blue G-250



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | BP100-25 |

Coomassie™ Blue G-250; $C_{47}H_{48}N_3O_7S_2Na$; F.W. 854.02; CAS [6104-58-1]; Density: >1.0g/mL; C.I. 42655;
Recommended Storage: Room Temperature

ChemAlert® Storage Code
GRAY

Brilliant Blue R-250



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 25g | Glass Bottle | BP101-25 |
| 50g | Amber Glass Bottle | BP101-50 |

Coomassie Blue R-250; $C_{45}H_{44}N_3NaO_7S_2$; F.W. 825.96; CAS [6104-59-2]; Melting Point: 174° to 180°C; C.I. 42660;
Recommended Storage: Room Temperature

ChemAlert® Storage Code
GRAY

Brilliant Green

Certified Biological Stain



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | B422-25 |

Ethyl Green, Basic Green, Malachite Green G; $C_{27}H_{33}N_2HSO_4$; F.W. 482.65; CAS [633-03-4]; C.I. 42040
 For use in bacteriology in media.

ChemAlert® Storage Code
GRAY

5-Bromo-4-chloro-3-indolyl-β-D-galactopyranoside



| Quantity | Packaging | Cat. No. |
|----------|--------------|------------|
| 100mg | Glass Bottle | BP1615-100 |
| 1g | Glass Bottle | BP1615-1 |

X-Gal; $C_{18}H_{16}BrClNO_6$; F.W. 408.63; CAS [7240-90-6];
Melting Point: 230°C; **Recommended Storage:** -20°C; Not on TSCA inventory: For R and D use only; not for manufacturing or commercial purposes.
 For blue/white colony screening, immunoblotting and immunocytochemical assays.

ChemAlert® Storage Code
GRAY

Bromocresol Green

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 5g | Glass Bottle | B383-5 |

3',3',5',5'-Tetrabromo-m-cresol-sulfonephthalein; $C_{21}H_{14}Br_4O_5S$; F.W. 698.04; CAS [76-60-8]; Melting Point: 225°C; pH Indicator

ChemAlert® Storage Code
GRAY

Bromocresol Purple

Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 5g | Glass Bottle | B393-5 |

5,5'-dibromo-o-cresolsulfonphthalein; $C_{21}H_{16}Br_2O_5S$; F.W. 540.24; CAS [115-40-2];
Melting Point: 240.00°C; Yellow to Purple; pH: 5.2 to 6.8

ChemAlert® Storage Code
GRAY

Bromocresol Purple

Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1kg | Glass Bottle | AC15133-0010 |

Bromocresol Purple, BCP, 5,5'-Dibromo-o-cresolsulfonephthalein; $C_{21}H_{16}Br_2O_5S$; F.W. 540.21; CAS [115-40-2]; Melting Point: 245.0°C; Solubility in water: practically insoluble. Other solubilities: 75g/L in ethanol (20°C)

Bromophenol Blue

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 5g | Glass Bottle | B392-5 |

3',3',5',5'-Tetrabromophenolsulfonephthalein, 4,4'-(3H-2,1-Benzoxathiol-3-ylidene) bis-CAS [2,6-dibromophenol] S,S-Dioxide; $C_{19}H_{10}Br_4O_5S$; $C_8H_6SO_2OC(C_6H_2-3,5-Br_2-4-OH)_2$; F.W. 669.96; CAS [115-39-9]; Melting Point: 273°C; pH Indicator; Solubility in water: Soluble

ChemAlert® Storage Code
GRAY

Bromophenol Blue Sodium Salt



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | BP114-25 |

3,3',5,5'-Tetrabromophenolsulfonphthalein sodium salt; $C_{19}H_3Br_4NaO_5S$; F.W. 691.94; CAS [62625-28-9]
Recommended Storage: Room Temperature

ChemAlert® Storage Code
GRAY

Bromophenol Blue Solution, 0.04%

Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | SI12-500 |

0.04%; CAS [62625-28-9, 7732-18-5]; pH: 3.5 to 4.6

ChemAlert® Storage Code
GRAY

Bromothymol Blue

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 10g | Glass Bottle | B388-10 |

3',3'-Dibromothymolsulfonephthalein; $C_{27}H_{28}Br_2O_5S$; F.W. 624.4; CAS [76-59-5]
 pH Indicator; Solubility in water: insoluble

ChemAlert® Storage Code
GRAY

Bromothymol Blue Solution, 0.04%

Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | SI22-500 |

0.04%; CAS [34722-90-2, 7732-18-5, 64-02-8];
Melting Point: 0°C (32°F); Density: 1g/mL; pH: 6.5 to 7.1

ChemAlert® Storage Code
GRAY

Broth (Capsules)



| Quantity | Packaging | Cat. No. |
|---------------------|-----------|----------|
| 500mL Capsules, 5kg | Poly Pail | BP9736-5 |

Solid; CAS [91079-40-2, 8013-01-2];
Recommended Storage: Keep containers tightly closed in a dry, cool and well-ventilated place.

Broth (Granulated Media)



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 2kg | Poly Pail | BP9743-2 |
| 5kg | Poly Pail | BP9743-5 |
| 500g | Poly Bottle | BP9743-500 |

Solid; CAS [91079-40-2, 8013-01-2];
Recommended Storage: Keep containers tightly closed in a dry, cool and well-ventilated place.

Calcium Chloride Dihydrate

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100g | Poly Bottle | BP510-100 |
| 250g | Poly Bottle | BP510-250 |
| 500g | Poly Bottle | BP510-500 |

White Crystals to Powder; 99.0 to 105.0%; $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$;
F.W. 147.02; CAS [10035-04-8, 10043-52-4];
Melting Point: 175°C; **Density:** 0.830g/mL;
Recommended Storage: Room Temperature
pH: 4.5 to 8.5 (at 25°C); Soluble in water



CAPS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500g | Glass Bottle | BP321-500 |

Fine White Crystals; $\geq 98\%$;
 3-Cyclohexylamino-1-propanesulfonic Acid; $\text{C}_9\text{H}_{19}\text{NO}_3\text{S}$;
 $\text{C}_6\text{H}_{11}\text{NH}(\text{CH}_2)_3\text{SO}_3\text{H}$; **F.W.** 221.32; CAS [1135-40-6];
Melting Point: 324°C; **Flash Point:** 110°C;
Recommended Storage: Room Temperature
 Solubility in water: slight



Carbenicillin

F

| Quantity | Packaging | Cat. No. |
|----------|--------------------|------------|
| 250mg | Amber Glass Bottle | BP2648-250 |
| 1g | Amber Glass Bottle | BP2648-1 |
| 5g | Amber Glass Bottle | BP2648-5 |

White Powder; $\geq 92\%$; α -Carboxybenzylpenicillin;
 $\text{C}_{17}\text{H}_{16}\text{N}_2\text{Na}_2\text{O}_6\text{S}$; **F.W.** 422.4; CAS [4800-94-6];
Recommended Storage: 0° to 5°C; Disodium Salt;
pH: 6.0 to 8.0 (at 25°C)
 Used for the selection of ampicillin-resistant transformed cells.
 Potency: $\geq 770\text{mcg/mg}$.



Cefazolin Sodium Salt

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1g | Glass Bottle | AC45521-0010 |

98%; $\text{C}_{14}\text{H}_{13}\text{N}_3\text{Na}_2\text{O}_6\text{S}_2$; **F.W.** 476.48; CAS [27164-46-1];
Melting Point: 170° to 177°C

Cefotaxime Sodium Salt

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1g | Glass Bottle | AC45495-0010 |
| 5g | Glass Bottle | AC45495-0050 |
| 25g | Glass Bottle | AC45495-0250 |

95%; $\text{C}_{16}\text{H}_{16}\text{N}_4\text{Na}_2\text{O}_{10}\text{S}_2$; **F.W.** 477.44; CAS [64485-93-4];
Melting Point: 201.0° to 210.0°C; Solubility in water: soluble.

Cefotaxime, Sodium Salt

F

| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1g | Amber Glass Bottle | BP2951-1 |

Dry, White or off-White Powder; $\text{C}_{16}\text{H}_{16}\text{N}_4\text{Na}_2\text{O}_{10}\text{S}_2$; **F.W.** 477.5;
 CAS [64485-93-4]; **pH:** 4.5 to 6.5 (at 25°C);
 Inhibitor of bacterial cell wall synthesis. Eliminates
 Agrobacterium species after inoculation.



Cefoxitin Sodium Salt

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC45528-0050 |

94%; $\text{C}_{16}\text{H}_{16}\text{N}_4\text{Na}_2\text{O}_7\text{S}_2$; **F.W.** 449.43; CAS [33564-30-6]

Celecoxib

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100mg | Glass Bottle | AC45645-1000 |

98%; 4-CAS [5-(4-Methylphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl]
 benzenesulfonamide; $\text{C}_{17}\text{H}_{14}\text{F}_3\text{N}_3\text{O}_2\text{S}$; **F.W.** 381.37; CAS [169590-42-5];
Melting Point: 156° to 157°C

Cesium Chloride

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 500g | Poly Bottle | BP1595-500 |
| 1kg | Poly Bottle | BP1595-1 |

Crystalline Powder; DNase-, RNase- and Protease-Free;
 $\geq 99.5\%$; CsCl ; **F.W.** 168.36; CAS [7647-17-8];
Melting Point: 646°C; **Boiling Point:** 1303°C;
Density: 3.99g/mL; **Recommended Storage:** Room
 Temperature; **Refractive Index:** 1.364 to 1.374;
 For isolation of phage DNA, plasmid DNA, or total RNA.



Cesium Chloride

Molecular Biology Grade

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100g | Poly Bottle | BP210-100 |
| 500g | Poly Bottle | BP210-500 |
| 1kg | Poly Bottle | BP210-1 |

White Crystalline Powder; DNase-, RNase- and
 Protease-Free; $\geq 99.999\%$; CsCl ; **F.W.** 168.36; CAS [7647-17-8];
Melting Point: 646°C; **Boiling Point:** 1303°C;
Density: 3.99g/mL; **Recommended Storage:** Room
 Temperature; For nucleic acid purification. Ultra-Pure



CHAPS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1g | Amber Glass Bottle | BP571-1 |
| 5g | Amber Glass Bottle | BP571-5 |

White Crystalline Powder; $\geq 98\%$; 3-[(3-Cholamidopropyl)
 dimethylammonio]-1-propanesulfonate; $\text{C}_{22}\text{H}_{58}\text{N}_{207}\text{S}$;
F.W. 614.9; CAS [75621-03-3];
Melting Point: 267° to 271°C (513° to 521°F);
Recommended Storage: Room Temperature;
pH: 5.0 to 7.0 (10% solution); Not on TSCA inventory; For R and D use
 only; not for manufacturing or commercial purposes.



Chloramphenicol

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100g | Poly Bottle | BP904-100 |

Crystalline Powder; 97%; Chloromycetin, $\text{C}_{11}\text{H}_{12}\text{Cl}_2\text{N}_2\text{O}_5$;
F.W. 323.13; CAS [56-75-7];
Melting Point: 149° to 153°C (300.2° to 307.4°F);
Recommended Storage: Room Temperature;
pH: 5 to 7 (at 25°C);
 For selecting transformed cells containing chloramphenicol resistance
 genes.



Chloroform Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | BP1145-1 |

Clear colorless liquid; ≥99% (by GC); CHCl_3 ;
F.W. 119.38; CAS [64-17-5, 67-66-3];
Melting Point: -63°C;
Boiling Point: 60.5° to 61.5°C (140.9° to 142.7°F);
Density: 4.12 (Air = 1.0);
DOT Class 6.1: Poison;
UN: 1888; **Recommended Storage:** Room Temperature;
 Approx. 0.75% Ethanol as Preservative;
Refractive Index: 1.4420 to 1.4450; Solubility in water: slight;
 Extractions to remove proteins from DNA or RNA samples.
 With preservative.



Chlorophenol Red, Sodium Salt Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 50g | Glass Bottle | AC21631-0500 |

Dark brown crystalline powder;
 3',3''-Dichlorophenolsulfonephthalein, sodium salt; $\text{C}_{19}\text{H}_{11}\text{Cl}_2\text{NaO}_5\text{S}$;
F.W. 445.25; CAS [123333-64-2]; **Melting Point:** 267.0°C;
 Solubility in water: Soluble

Citric Acid, Anhydrous



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | BP339-500 |

Crystalline; ≥99.5%; $\text{C}_6\text{H}_8\text{O}_7$; **F.W.** 192.13; CAS [77-92-9];
Melting Point: 153°C;
Recommended Storage: Room Temperature



Copper (II) Sulfate Pentahydrate



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500g | Glass Bottle | BP346-500 |

Blue Crystals; 98.0 to 102.0%;
 Cupric Sulfate Pentahydrate, Blue Vitriol; $\text{CuO}_4\text{S}\cdot 5\text{H}_2\text{O}$;
F.W. 249.68; CAS [7758-98-7, 7758-99-8];
Melting Point: 110°C (230°F); **DOT Class 9:** Miscellaneous;
Recommended Storage: Room Temperature
 Soluble in water



Crystal Violet Certified Biological Stain



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | C581-25 |
| 100g | Glass Bottle | C581-100 |

Gentian Violet, Basic Violet 3; $\text{C}_{25}\text{H}_{30}\text{ClN}_3$; **F.W.** 407.98;
 CAS [548-62-9]; **C.I.** 42555; For use in histology, cytology and
 bacteriology (staining).



Crystal Violet



| Quantity | Packaging | Cat. No. |
|-----------|----------------|----------|
| 4 × 500mL | Plastic Bottle | 23750025 |

Individual replacement for crystal violet component of the Gram
 Staining Set. Stains Gram-positive bacteria purple. For in vitro
 diagnostic use. Prepared from dyes certified by the Biological Stain
 Commission (BSC). For use with Midas III and other automated staining
 systems.

Cyanocobalamin



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1g | Amber Glass Bottle | BP862-1 |

Crystalline (Dark Red); ≥98%; Vitamin B_{12} ; $\text{C}_{63}\text{H}_{88}\text{CoN}_{14}\text{O}_{14}\text{P}$;
F.W. 1355.38; CAS [68-19-9]; **Melting Point:** >300°C;
Boiling Point: >300°C; **Recommended Storage:** -4°C;
 Not for human use.



L-Cysteine Hydrochloride Monohydrate



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | BP376-100 |

White Crystals; 98.5 to 101%; $\text{C}_3\text{H}_7\text{NO}_2\text{S}\cdot\text{HCl}\cdot\text{H}_2\text{O}$; **F.W.** 175.64;
 CAS [7048-04-6]; **Melting Point:** 175° to 177.8°C;
Recommended Storage: Room Temperature



Decolorizer Reagent



| Quantity | Packaging | Cat. No. |
|-----------|----------------|----------|
| 4 × 500mL | Plastic Bottle | 23750028 |

Individual replacement for decolorizer component of the Gram Staining
 Set. Mixture of acetone and isopropanol used to
 decolorize Gram-negative bacteria. For use with Midas III and other
 automated staining
 systems.

Denhardt's Reagent Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 5mL | Amber Glass Bottle | BP515-5 |

CAS [26873-85-8 (Ficoll™), 9003-39-8 (Polyvinylpyrrolidone),
 9048-46-8 (Bovine Albumin)]; **Recommended Storage:** -20°C;
 50X Solution; **pH:** 5.0 to 7.0 (at 25°C)



Deoxycholic Acid Sodium Salt



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100g | Poly Bottle | BP349-100 |

Fine White Crystalline Powder; ≥99%; Sodium Deoxycholate,
 3-alpha,12-alpha-Dihydroxy-5-beta-cholan-24-oic acid,
 Sodium Salt; $\text{C}_{24}\text{H}_{38}\text{NaO}_4$; **F.W.** 414.58; CAS [302-95-4];
Melting Point: 357° to 365°C;
Recommended Storage: Room Temperature;
 For solubilizing and isolating membrane-bound proteins in an active
 state.



Dextran



| Quantity | Packaging | Cat. No. |
|----------|--------------|------------|
| 100g | Glass Bottle | BP1580-100 |

White to Off-White Powder; CAS [9004-54-0];
Recommended Storage: Room Temperature;
pH: 6.2 to 6.8 (at 25°C); Average M.W. of 500,000.



Dextran Sulfate Sodium Salt



| Quantity | Packaging | Cat. No. |
|----------|--------------|------------|
| 100g | Glass Bottle | BP1585-100 |
| 500g | Poly Bottle | BP1585-500 |

White to Off-White Powder; CAS [9011-18-1];
Recommended Storage: Room Temperature



Dextrose, Anhydrous Molecular Biology Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500g | Glass Bottle | BP350-500 |
| 1kg | Poly Bottle | BP350-1 |

Crystalline Granular; DNase-, RNase- and Protease-Free; ≥99.8%; Glucose; C₆H₁₂O₆; HOCH₂(CHOH)₄CHO; **F.W.** 180.08; CAS [50-99-7]; **Melting Point:** 146.1°C; **Density:** 1.54g/mL; **Recommended Storage:** Room Temperature; Soluble in water
Cell culture additive. Low metal ion content: ≤0.0005%.



N,N-Diisopropylethylamine Peptide Synthesis Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | BP592-500 |

≥99%; DIEA; C₈H₁₉N; **F.W.** 129.24; CAS [7087-68-5]; **Melting Point:** -46°C; **Flash Point:** 6°C; **Boiling Point:** 127°C; **Density:** 0.782g/mL; **DOT Class 3:** Flammable Liquid (n.o.s.); **UN:** 1993; **Recommended Storage:** Room Temperature; **Refractive Index:** 1.4113 to 1.4153



Dimethyl Sulfoxide

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100mL | Glass Bottle | BP231-100 |
| 1L | Glass Bottle | BP231-1 |
| 4L | Glass Bottle | BP231-4 |

Clear colorless liquid; ≥99.7%; DMSO; C₂H₆O₂; (CH₃)₂SO; **F.W.** 78.13; CAS [67-68-5]; **Melting Point:** 18.4°C (65°F); **Flash Point:** 87°C; **Boiling Point:** 189°C; **Density:** 2.7 (Air = 1.0); **Recommended Storage:** Room Temperature; Soluble in water
For cryopreservation and bacterial transformation.
Note: Sold for nonmedical use only. Not to be used or sold as a drug for humans or animals.



N,N-Dimethylformamide Synthesis Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|------------|
| 500mL | Glass Bottle | BP1160-500 |
| 4L | Glass Bottle | BP1160-4 |

≥99.5%; DMF; C₃H₇NO; HCONCH₂CH₃; **F.W.** 73.09; CAS [68-12-2]; **Melting Point:** -61°C (-78°F); **Flash Point:** 58°C; **Boiling Point:** 153°C; **Density:** 2.5 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 2265; **Recommended Storage:** Room Temperature
Soluble in water



Dithiothreitol Electrophoresis Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 5g | Glass Bottle | BP172-5 |
| 25g | Glass Bottle | BP172-25 |

White Powder or Crystals; DNase-, RNase- and Protease-Free; ≥99%; DTT, Cleland's Reagent; C₄H₁₀O₄S₂; HSCH₂CH(OH)CH(OH)CH₂SH; **F.W.** 154.24; CAS [3483-12-3]; **Melting Point:** 38° to 43°C; **Boiling Point:** 125° to 130°C at 2mmHg; **Recommended Storage:** -20°C



Dowex™ 1X8

ACROS ORGANICS

| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 2.5kg | Plastic Bottle | AC20299-0025 |

CAS [12627-85-9]; 15% max. (on 35 mesh, cumulative); 15% max. (through 80 mesh); Solubility in water: insoluble.

Doxorubicin Hydrochloride

F

| Quantity | Packaging | Cat. No. |
|----------|--------------------|-----------|
| 1mg | Amber Glass Bottle | BP2516-1 |
| 5mg | Amber Glass Bottle | BP2516-5 |
| 10mg | Amber Glass Bottle | BP2516-10 |
| 50mg | Amber Glass Bottle | BP2516-50 |

Red-Brown Powder; (by HPLC): ≥95%; Adriamycin, 14-Hydroxydaunomycin, HCl; C₂₇H₂₉NO₁₁HCl; **F.W.** 580; CAS [25316-40-9]; **Recommended Storage:** 2° to 8°C; Soluble in water; Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.



Doxycycline Hydrochloride

F

| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1g | Amber Glass Bottle | BP2653-1 |
| 5g | Amber Glass Bottle | BP2653-5 |

Yellow Powder; 95%; C₂₂H₂₂N₂O₈HCl; **F.W.** 480.9; CAS [10592-13-9]; **Recommended Storage:** 0° to 5°C, light-sensitive, desiccate. Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.
Broad spectrum antibiotic.



Electrode Storage Solution

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1L | Poly Bottle | BP2418-1 |

Recommended Storage: Room Temperature; **pH:** 3.8 to 4.0 (at 25°C)
For use in storage of pH electrodes.



Eosin Y Certified Biological Stain

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | E511-25 |
| 100g | Glass Bottle | E511-100 |

D&C Red No. 22, Acid Red 87; C₂₀H₈Br₄O₅·2Na; **F.W.** 691.85; CAS [17372-87-1]; **C.I.** 45380; For use in histology and compounding of blood stains.



Eosin Y, Alcoholic

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | SE22-500D |

Acid Red 87; CAS [64-17-5, 67-63-0, 67-56-1, 17372-87-1, 7732-18-5]; **Flash Point:** 16°C; **Density:** 0.8g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1987; 0.25% Solution; For use in histology stains. Contains Eosin Y in a mixture of Ethanol, Methanol and Isopropanol.



Eosin Y Solution



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 1000mL | Plastic Bottle | 23749976 |

Alcoholic; Cytoplasmic counterstain for Hematoxylin; For in vitro diagnostic use. Prepared from dyes certified by the Biological Stain Commission (BSC).

Eriochrome™ Black T

Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | E512-25 |

Superchrome Black TS, 1-(1-Hydroxy-2-naphthylazo)-6-nitro-2-naphthol-4-sulfonic Acid Sodium Salt, Mordant Black 11; $C_{20}H_{12}N_2O_5SNa$; F.W. 461.38; CAS [1787-61-7]; C.I. 14645

Indicator for EDTA titrations; biologic stain.



Eriochrome™ Black T Solution



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | SE32-500 |

Mordant Black 11; CAS [67-56-1, 1787-61-7, 1336-21-6, 7732-18-5]; **Melting Point:** -98°C (-144.4°F); **Flash Point:** 11°C ; **Boiling Point:** 64°C ; **DOT Class 3:** Flammable Liquid; **UN:** 1230; C.I. 14645

Indicator for water hardness.

Schwarzenbach.



Erythromycin



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 25g | Poly Bottle | BP920-25 |

White Crystalline Powder; 85%; E-Mycin, Erythrocin; $C_{37}H_{67}NO_{13}$; F.W. 733.94; CAS [114-07-8];

Melting Point: 138° to 140°C (280.4° to 284°F);

Recommended Storage: Room Temperature;

pH: 8 to 10.5 (at 25°C , 0.07% water);

Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.



Ethanol

Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|------------|
| 100mL | Glass Bottle | BP2818-100 |
| 500mL | Glass Bottle | BP2818-500 |
| 4L | Glass Bottle | BP2818-4 |

Clear colorless liquid; DNase-, RNase- and Protease-Free; Assay: $\geq 99.5\%$ (v/v); Ethyl Alcohol; C_2H_6O ; C_2H_5OH ; F.W. 46.07; CAS [64-17-5]; **Melting Point:** -114°C (-173°F);

Flash Point: 12°C (53.6°F); **Boiling Point:** 78°C (172.4°F);

Absolute (200 Proof); For nucleic acid purification and precipitation.

Ultrapure molecular biology grade ethanol is used for the purification and precipitation of biomolecules such as nucleic acids and proteins.

It is also used in histology to prepare staining and destaining reagents and for dehydrating tissues prior to embedding.



Ethidium Bromide

Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------------|-----------|
| 10mL | Amber Poly Bottle | BP1302-10 |

Red-Brown Liquid; DNase-, RNase- and Protease-Free; $C_{21}H_{20}N_2Br$; F.W. 394.33; CAS [1239-45-8, 7732-18-5];

DOT Class 6.1: Poison; **UN:** 2810;

Recommended Storage: Room Temperature

Filtered through a 0.2-micron filter.; 1% Solution; Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

For visualization of DNA and RNA in electrophoresis gels and cesium chloride density gradients.



Ethidium Bromide



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1g | Amber Glass Bottle | BP102-1 |
| 5g | Amber Glass Bottle | BP102-5 |

$C_{21}H_{20}BrN_2$; F.W. 394.32; CAS [1239-45-8]; **Melting Point:** 260° to 262°C ; **DOT Class 6.1:** Poison; **UN:** 2811; **Recommended Storage:** Room Temperature; Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.



Ethyl Acetate

Sequencing Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | BP1125-1 |

$\geq 99.9\%$; $C_4H_8O_2$; $CH_3COOCH_2CH_3$; F.W. 88.11;

CAS [141-78-6]; **Melting Point:** -83.5°C ;

Flash Point: -4°C ($+25^{\circ}\text{F}$);

Boiling Point: 75° to 78°C (167° to 171.5°F);

Density: 3.04 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1173;

Recommended Storage: Room Temperature

1.3680 to 1.3710; Solubility in water: slight



Ethylene Glycol



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | BP230-1 |
| 4L | Glass Bottle | BP230-4 |

$\geq 99\%$; 1,2-Ethanediol; $C_2H_6O_2$; $HOCH_2CH_2OH$; F.W. 62.06;

CAS [107-21-1]; **Melting Point:** -13°C ; **Flash Point:** 116°C ;

Boiling Point: 196° to 198°C ; **Density:** 2.14 (Air = 1.0);

Recommended Storage: Room Temperature

Soluble in water



Ethylenediamine Tetraacetic Acid



| Quantity | Packaging | Cat. No. |
|----------|---------------------|------------|
| 100mL | Poly Bottle | BP2482-100 |
| 500mL | Poly Bottle | BP2482-500 |
| 1L | Nalgene Poly Bottle | BP2482-1 |
| 20L | Poly CUBE | BP2482-20 |

Clear colorless liquid; EDTA; $C_{10}H_{16}N_2O_8$; $(HOOCCH_2)_2NCH_2CH_2N(CH_2COOH)_2$; F.W. 292.25;

CAS [60-00-4, 7732-18-5];

Recommended Storage: Room Temperature;

0.475 to 0.525M; 0.5 M Solution, **pH:** 8.0 (for DNA Work);

pH Range: 7.9 to 8.1 (at 25°C)



Ethylenediamine Tetraacetic Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500g | Glass Bottle | BP118-500 |

White Crystalline Powder; ≥99.5%; EDTA (Free Acid); $C_{10}H_{16}N_2O_8$; $(HOOCCH_2)_2NCH_2CH_2N(CH_2COOH)_2$; **F.W.** 292.23; **CAS** [60-00-4]; **Melting Point:** 220°C; **Density:** 0.86g/mL; **Recommended Storage:** Room Temperature; **pH:** 2.5 to 3.5 (at 25°C)



Formalde-Fresh Solution, Buffered



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | SF93-4 |
| 20L | PolyPac™ | SF93-20 |

CAS [50-00-0, 67-56-1, 7732-18-5, 7558-79-4]; **Density:** >1.00g/mL; **DOT Class 9:** Miscellaneous; **UN:** 3334; **pH:** 6.9 to 7.1 (at 25°C); Soluble in water; Specially filtered for use in tissue processors. Low-odor 10% Formalin contains 4% (w/v) Formaldehyde and 0.075M Sodium Phosphate Buffer. Stabilized with 1.5% (w/v) Methanol. For use in the same tissue fixation techniques as 10% Formalin.



EDTA, Dipotassium Salt Dihydrate



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500g | Glass Bottle | BP119-500 |

White Crystalline Powder; ≥99.0%; EDTA, Dipotassium Salt; $C_{10}H_{14}N_2O_8 \cdot 2H_2O$; $(HOOCCH_2)_2NCH_2CH_2N(CH_2COOK)_2 \cdot 2H_2O$; **F.W.** 404.47; **CAS** [25102-12-9]; **Melting Point:** 272°C (decom); **Recommended Storage:** Room Temperature; **pH:** 4 to 5 (at 25°C); Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.



Formalde-Fresh Solution



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | SF94-4 |
| 20L | PolyPac™ | SF94-20 |

3.5 to 4.5%; **CAS** [50-00-0, 67-56-1, 7732-18-5]; **Melting Point:** 0°C (32°F); **Flash Point:** 85°C; **Boiling Point:** 93.9° to 100°C (201° to 212°F); **Density:** 1.0g/mL; Soluble in water; Specially filtered for use in tissue processors. Low-odor 10% Formalin.



EDTA, Disodium Salt Dihydrate

Electrophoresis-Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500g | Glass Bottle | BP120-500 |
| 1kg | Poly Bottle | BP120-1 |

Crystalline Powder; ≥99.0%; EDTA, Disodium Salt, Sodium Versenate; $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$; $(HO_2CCH_2)_2NCH_2CH_2N(CH_2CO_2Na)_2 \cdot 2H_2O$; **F.W.** 372.23; **CAS** [6381-92-6]; **Melting Point:** 252°C; **Recommended Storage:** Room Temperature; **pH:** 4.0 to 6.0 (at 25°C); Soluble in water
For minimization of metal ion impurities in reaction buffers.



Formaldehyde

Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 25mL | Glass Bottle | BP531-25 |
| 500mL | Glass Bottle | BP531-500 |

36.5 to 38.0%; Formalin, Formic Aldehyde Solution, Formol, Methanal, Methylene Oxide; CH_2O ; $HCHO$; **F.W.** 30.02; **CAS** [50-00-0, 67-56-1, 7732-18-5]; **Melting Point:** -15°C (5°F); **Flash Point:** 50°C; **Boiling Point:** 97°C; **Density:** >1.0g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1198; **Recommended Storage:** Room Temperature; **pH:** 3 to 4 (at 25°C); Soluble in water
Components: 37% Formaldehyde, 15% Methyl Alcohol and 48% Water



Ficoll™ 400

Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 5g | Poly Bottle | BP525-5 |
| 10g | Poly Bottle | BP525-10 |
| 25g | Poly Bottle | BP525-25 |
| 100g | Poly Bottle | BP525100 |
| 500g | Poly Bottle | BP525-500 |

White to Off-White Powder; **F.W.** ~400,000; **CAS** [26873-85-8]; **Recommended Storage:** Room Temperature



Formaldehyde Solution

ACS Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500mL | Poly Bottle | MK501602 |

$HCHO$; **F.W.** 30.03; **CAS** [50-00-0]; **Flash Point:** 60°C; Suitable for Histological Applications

Formaldehyde, 37% by Weight

Histological Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 1 gal. | Poly Bottle | F75P1-GAL |

36.5 to 38.0%; Methanal, Methylene Oxide, Oxymethane, Formic Aldehyde, Methylaldehyde; CH_2O ; $HCHO$; **F.W.** 30.03; **CAS** [50-00-0, 67-56-1, 7732-18-5]; **Melting Point:** 0°C (32°F); **Flash Point:** 50°C; **Boiling Point:** 101°C; **Density:** >1.0g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1198; Soluble in water
Stabilized with 10 to 15% (v/v) Methanol.



Fluorescamine

Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500mg | Glass Bottle | AC19167-5000 |
| 2.5g | Glass Bottle | AC19167-0025 |

Light yellow powder; $C_{17}H_{10}O_4$; **F.W.** 278.26; **CAS** [38183-12-9]; **Melting Point:** 155.0°C to 157.0°C; Solubility in water: Other solubilities: soluble in diethyl ether

Formaldehyde, 37% by Weight Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | F79-500 |
| 1L | Glass Bottle | F79-1 |
| 4L | Glass Bottle | F79-4 |
| 4L | Poly Bottle | F79P-4 |
| 20L | Poly Pail | F79-20 |
| 20L | PolyPac™ | F79P-20 |
| 200L | Poly Drum | F79-200 |

36.5 to 38.0%; Methanal, Methylene Oxide, Oxymethane, Formic Aldehyde, Methylaldehyde; CH₂O; HCHO; F.W. 30.03; CAS [50-00-0, 67-56-1, 7732-18-5]; **Melting Point:** 0°C (32°F); **Flash Point:** 50°C; **Boiling Point:** 101°C; **Density:** >1.0g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1198
 With Preservative; Soluble in water; Stabilized with 10-15% Methanol.



Formalin, Buffered, 10% Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 4L | Poly Bottle | SF100-4 |
| 20L | PolyPac™ | SF100-20 |
| 200L | Poly Drum | SF100-200 |

Specially filtered for use in tissue processors.; Assay: 4 to 5% w/w; CAS [50-00-0, 67-56-1, 7558-79-4, 10049-21-5, 7732-18-5]; **Melting Point:** 0°C (32°F); **Flash Point:** 81°C; **Boiling Point:** 93.9° to 100°C (201° to 212°F); **Density:** 1.0g/mL; **DOT Class 9:** Miscellaneous; **UN:** 3334; Phosphate Buffer; **pH:** 6.9 to 7.1 (at 25°C); Soluble in water; Specially filtered for use in tissue processors. Buffered with Phosphate in accordance with A.F.I.P. Manual of Histology.



Formaldehyde, 40% by Volume USP



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | F77P-4 |
| 20L | Poly Pail | F77-20 |
| 20L | PolyPac™ | F77P-20 |
| 200L | Steel Drum | F77-200 |

36.5 to 38.0%; Methanal, Methylene Oxide, Oxymethane, Formic Aldehyde, Methylaldehyde; CH₂O; HCHO; F.W. 30.03; CAS [50-00-0, 67-56-1, 7732-18-5]; **Melting Point:** 0°C (32°F); **Flash Point:** 50°C; **Boiling Point:** 101°C; **Density:** >1.0g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1198
 Soluble in water; Suitable for histologic use. Stabilized with 10-15% (v/v) Methanol.



Formamide



| Quantity | Packaging | Cat. No. |
|----------|--------------------|-----------|
| 100mL | Amber Glass Bottle | BP228-100 |

Clear colorless liquid; ≥99.5%; CH₃NO; H₂NCHO; F.W. 45.04; CAS [75-12-7]; **Melting Point:** 2° to 3°C; **Boiling Point:** 210°C; **Density:** 1.133g/mL; **Recommended Storage:** 4°C; For nucleic acid hybridization and sequencing.



Formamide Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100mL | Glass Bottle | BP227-100 |
| 500mL | Glass Bottle | BP227-500 |

Clear colorless liquid; ≥99%; CH₃NO; H₂NCHO; F.W. 45.04; CAS [75-12-7]; **Melting Point:** 2° to 3°C; **Boiling Point:** 210°C; **Density:** 1.133g/mL; **Recommended Storage:** 4°C; For nucleic acid hybridization and sequencing.



Formalin Solution Histological Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | SF98-4 |
| 20L | PolyPac™ | SF98-20 |

CAS [50-00-0, 67-56-1, 7732-18-5]; **Melting Point:** 0°C (32°F); **Density:** >1.0g/mL; **DOT Class 9:** Miscellaneous; **UN:** 3334; 10%; Soluble in water; Specially filtered for use in tissue processors.
 4% Formaldehyde Solution.



Formic Acid Sequencing Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 500mL | Poly Bottle | BP1215-500 |

>88.0%; CH₂O₂; HCOOH; F.W. 46.02; CAS [64-18-6, 7732-18-5]; **Melting Point:** 8°C; **Flash Point:** 60°C; **Boiling Point:** 101°C; **Density:** 1.220g/mL; **DOT Class 8:** Corrosive; **UN:** 1779; **Recommended Storage:** Room Temperature; Aldehyde-free



Formalin, Buffered, 10% Certified



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly Bottle | SF99-4 |
| 20L | PolyPac™ | SF99-20 |

CAS [50-00-0, 67-56-1, 127-09-3, 7732-18-5]; **Flash Point:** 85°C; **Boiling Point:** 93.9° to 100°C (201° to 212°F); **Density:** 1.0g/mL; **DOT Class 9:** Miscellaneous; **UN:** 3334; Acetate Buffer; **pH:** 6.9 to 7.1 (at 25°C); Soluble in water
 Specially filtered for use in tissue processors. Buffered with Sodium Acetate in accordance with A.F.I.P. Manual of Histology.



Fuchsin Acid Certified Biological Stain



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | F97-25 |

Acid Rubin, Acid Magenta, Acid Violet 19; C₂₀H₁₇N₅O₅S₃Na₂; F.W. 585.54; CAS [3244-88-0]; C.I. 42685; For use in histology and in Andrade Indicator. Optical Density is 1.10-1.26.



Fuchsin Basic Certified Biological Stain



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 10g | Glass Bottle | F98-10 |

Fusion Basic; Magenta, Pararosaniline; C₂₀H₂₀ClN₃; CAS [632-99-5]; **Melting Point:** 250°C; **Flash Point:** 200°C; C.I. 42510; Solubility in water: insoluble; For use in histology, Feulgen reactions, and bacteriology (staining and in media).



G418 Sulfate



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 5g | Amber Glass Bottle | BP673-5 |

White to Off-White Powder; >98%; $C_{20}H_{40}N_4O_{10} \cdot 2H_2SO_4$; **F.W.** 692.7; CAS [108321-42-2];

Recommended Storage: -20°C

Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Mode of Action: Blocks polypeptide synthesis by inhibiting protein synthesis at the level of the 70S and 80S ribosomes.

For use in the selection and maintenance of cells stably transfected with neomycin resistance genes.



D-Galactose



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | BP656-500 |

White to Off-White Powder; ≥98%; $C_6H_{12}O_6$; **F.W.** 180.08; CAS [59-23-4]; **Melting Point:** 167°C;

Recommended Storage: Room Temperature

Suitable for use in cell culture systems requiring sugar additives.



Gentamycin Sulfate



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1g | Amber Glass Bottle | BP918-1 |

White Powder; Gentiomycin C, Garamycin; $C_{21}H_{43}N_7O_7 \cdot H_2SO_4$; **F.W.** 575.67; CAS [1405-41-0];

Melting Point: 217.8° to 237.2°C (424° to 459°F);

Recommended Storage: 4°C;

Soluble in water; Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

For selecting transformed cells containing gentamycin resistance gene.



Giemsa Stain Solution



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 1L | Plastic Bottle | 23426520 |

Dark Green Powder; CAS (51811-82-6); **Melting Point:** 300°C (572°F); Soluble in water; Certified Biological Stain; For use with the MIDAS™ III Automated Stainer.

Giemsa Stain Solution



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 500mL | Plastic Bottle | 23749985 |

Azure B; Polychromatic stain; For use with the MIDAS™ III Automated Stainer.

L(+)-Glutamine



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 50g | Glass Bottle | AC38603-0500 |

L(+)-Glutamic acid-5-amide; $C_5H_{10}N_2O_3$; $H_2NCOCH_2CH_2CH(NH_2)CO_2H$;

F.W. 146.15; CAS [56-85-9]; **Melting Point:** 185.0°C;

Solubility in water: 35g/L (20°C). Other solubilities: practically insoluble in methanol, ethanol, ether, benzene, acetone, ethyl acetate, chloroform, soluble in mineral acids.

Glutaraldehyde Solution

Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | BP2547-1 |

49.0 to 52.0%; Pentanedial, Glutaral; $C_5H_8O_2$; $HC(O)(CH_2)_3CHO$;

F.W. 100.12; CAS [111-30-8, 7732-18-5];

Melting Point: -15°C (5°F); **Boiling Point:** 101.5°C at

740 mmHg; **Density:** 1.05 (Air = 1.0); **DOT Class 6.1:** Poison;

UN: 2927; **Recommended Storage:** 4°C; **pH:** 3.7 to 4.5 (at 25°C);

Soluble in water



Glutaraldehyde Solution, 25%

Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | 02957-1 |
| 4L | Glass Bottle | 02957-4 |

24.0 to 26.5%; 1,5-Pentanedial, Glutaral, Cidex, Glutaricdialdehyde; $C_5H_8O_2$; $HC(O)(CH_2)_3CHO$; **F.W.** 100.12;

CAS [111-30-8, 7732-18-5]; **Melting Point:** -24.44°C;

Density: 1.05; **DOT Class 6.1:** Poison; **UN:** 2810



Glutaraldehyde Solution, 50%

Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | G151-1 |

49.0 to 52.0%; 1,5-Pentanedial, Glutaral, Glutaricdialdehyde, Cidex; $C_5H_8O_2$; $HC(O)(CH_2)_3CHO$; **F.W.** 100.12;

CAS [111-30-8, 7732-18-5]; **Melting Point:** -21°C;

Boiling Point: 101°C; **Density:** 1.05 (Air = 1.0);

DOT Class 6.1: Poison; **UN:** 2927; **Recommended Storage:** Refrigerate;

pH: 3.7 to 4.5 (at 25°C); Soluble in water



Glycerol

Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | BP229-1 |
| 4L | Glass Bottle | BP229-4 |

Clear colorless liquid; DNase-, RNase- and Protease-Free; ≥99.5%; Glycerin; $C_3H_8O_3$; $HOCH_2CH(OH)CH_2OH$; **F.W.** 92.09;

CAS [56-81-5]; **Melting Point:** 20°C; **Flash Point:** 160°C;

Boiling Point: 290°C; **Density:** 3.17 (Water = 1.0);

Recommended Storage: Room Temperature

Solubility in water: miscible

For low-temperature storage of enzymes and bacterial cultures.



Glycine



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | BP381-500 |
| 1kg | Poly Bottle | BP381-1 |
| 5kg | Poly Pail | BP381-5 |

White Crystals or Crystalline Powder; 98.5 to 101.0%; Aminoacetic Acid, Aminoethanoic acid, Gyn-Hydralin, Gly;

$C_2H_5NO_2$; **F.W.** 75.07; CAS [56-40-6];

Melting Point: 182° to 236°C (359.6° to 456.8°F);

Density: 1.595g/mL; **Recommended Storage:** Room Temperature; White For preparation of Tris-Glycine electrophoresis buffers. Low metal ion content: ≤10ppm.



Glycine

Ultrapure Bioreagent



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 5kg | Poly Pail | 02002947 |

NH_2CH_2COOH ; **F.W.** 75.07; CAS [56-40-6]

Glycine, Sodium Salt



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 500g | Glass Bottle | AC20459-5000 |

99%; $C_2H_4NNaO_2$; $H_2NCH_2CO_2Na$; F.W. 97.05; CAS [6000-44-8];
Melting Point: 197.0° to 201.0°C; Solubility in water: >500g/L (20°C).
 Other solubilities: solubility in methanol: 60g/L (20°C); TSCA

D-Glycogen



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 5g | Glass Bottle | BP676-5 |

White to Straw-Yellow Crystals; $(C_6H_{10}O_5)_n$; CAS [9005-79-2];
Recommended Storage: 4°C



Gram Staining Set



| Quantity | Packaging | Cat. No. |
|-----------|----------------|----------|
| 4 x 500mL | Plastic Bottle | 23750024 |

Complete kit containing crystal violet, iodine, decolorizer and safranin stain. For use in Gram staining of bacteria. For in vitro diagnostic use. Prepared from dyes certified by the Biological Stain Commission (BSC). For use with the MIDAS™ III Automated Stainer.

Guanidine Hydrochloride



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | BP178-500 |
| 1kg | Poly Bottle | BP178-1 |

Colorless to White Crystals;
 ≥99.5%; Guanidinium Chloride, Guanidine Chloride; CH_5N_3HCl ;
 $H_2NC(NH_2)NH_2HCl$; F.W. 95.53; CAS [50-01-1];
Melting Point: 179° to 186°C; **Density:** 1.340g/mL;
Recommended Storage: Room Temperature
 For isolation of RNA from cell extracts.



Guanidine Thiocyanate



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 250g | Glass Bottle | BP221-250 |
| 1kg | Poly Bottle | BP221-1 |

White Crystalline Powder; ≥99.0%;
 Guanidinium Isothiocyanate; $C_2H_6N_4S$; $H_2NC(-NH)NH_2HSCN$;
 F.W. 118.16; CAS [593-84-0];
Melting Point: 118° to 122°C (244.4° to 251.6°F);
Recommended Storage: Room Temperature
 Soluble in water
 For the isolation of intact RNA from cell extracts.



Hematoxylin



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 4L | Poly bottle | 23021558 |

H&E Stain; Nuclear stain used in routine hematoxylin and eosin staining, as well as Pap staining. Mercury-free formulation; uses sodium iodate as an oxidizer. For in vitro diagnostic use. Prepared from dyes certified by the Biological Stain Commission (BSC).

Hematoxylin

Certified Biological Stain



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | H345-25 |
| 100g | Glass Bottle | H345-100 |

Natural Black 1, Hydroxybrasilin; $C_{16}H_{14}O_6$; F.W. 302.28;
 CAS [517-28-2]; **Melting Point:** 100° to 120°C; C.I. 75290
 For use in histology and cytology.



Heparin



| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 10mg | Poly Vial | BP2524-10 |
| 100mg | Poly Vial | BP2524-100 |
| 250mg | Poly Vial | BP2524-250 |

F.W. ≈ 5000; CAS [9041-08-1];
Recommended Storage: Room Temperature;
 From Porcine Intestinal Mucosa; pH: 5.0 to 7.5 (1% solution);
 Solubility in water: slight; Low Molecular Weight. Sodium Salt



Heparin Sodium



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1g | Glass Bottle | BP2425 |

White to Grayish-Brown Powder; Heparin Sodium Salt;
 CAS [9041-08-1]; **Recommended Storage:** Room Temperature
 Solubility in water: slight



HEPES

Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | BP310-100 |
| 500g | Poly Bottle | BP310-500 |
| 1kg | Poly Bottle | BP310-1 |
| 5kg | Poly Pail | BP310-5 |

Fine White Crystals; DNase-, RNase- and Protease-Free;
 ≥99%; N-(2-Hydroxyethyl)piperazine-N'-2-ethanesulfonic
 Acid; $C_8H_{18}N_2O_4S$; F.W. 238.3; CAS [7365-45-9];
Melting Point: 234° to 238°C (453.2° to 460.4°F);
Recommended Storage: Room Temperature; Soluble in water;
 Commonly used buffering agent.



HEPES

Biochemical Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5kg | Plastic Drum | AC17257-0050 |

99%; 4-(2-Hydroxyethyl)piperazine-1-ethanesulfonic acid; $C_8H_{18}N_2O_4S$;
 F.W. 238.30; CAS [7365-45-9]; **Melting Point:** 234.0° to 238.0°C;
 Solubility in water: soluble.

HEPES

Ultrapure Bioreagent



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly bottle | 02002971 |

$C_8H_{18}N_2O_4S$; F.W. 238.31; CAS [7365-45-9]; Free Acid

HEPES Buffer

Molecular Biology Grade

F

| Quantity | Packaging | Cat. No. |
|----------|---------------------|-----------|
| 100mL | Poly Bottle | BP299-100 |
| 500mL | Poly Bottle | BP299-500 |
| 1L | Nalgene Poly Bottle | BP299-1 |

Clear colorless liquid; DNase-, RNase- and Protease-Free; N-(2-Hydroxyethyl)piperazine-N'-2-ethanesulfonic Acid; $C_8H_{18}N_2O_6S$; **F.W.** 238.197; **CAS** [7365-45-9, 7732-18-5]; **Recommended Storage:** Room Temperature; 0.95 to 1.05M; 1M Solution, **pH:** 7.2 to 7.4 (at 37°C) Commonly used buffering agent.



L-Histidine

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | BP382-100 |

White Crystals or Crystalline Powder; 98.5 to 101.0%; $C_6H_9N_3O_2$; **F.W.** 155.16; **CAS** [71-00-1]; **Melting Point:** 282°C; **Recommended Storage:** Room Temperature



L-Histidine Hydrochloride Monohydrate

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | BP383-100 |

White Crystals or Crystalline Powder; $C_6H_{13}N_3O_2 \cdot HCl \cdot H_2O$; **F.W.** 209.64; **CAS** [5934-29-2]; **Recommended Storage:** Room Temperature



Hyamine Hydroxide

F

| Quantity | Packaging | Cat. No. |
|----------|--------------------|------------|
| 500mL | Amber Glass Bottle | BP2658-500 |

Clear Solution; Tissue Solubilizer, Hydroxide of Hyamine; $C_8H_{18}NO_3$; **F.W.** 443.7; **CAS** [26248-39-5]; **Flash Point:** 11°C; **DOT Class 3:** Flammable Liquid; **UN:** 2924; **Recommended Storage:** Room Temperature Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes. Used to trap CO_2 and as a solubilizer for biological tissue and polyacrylamide gel slices. This product is a 1M solution of methyl benzothionium hydroxide in methanol.



Hydrogen Peroxide

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 500mL | Poly Bottle | BP2633-500 |

(as H_2O_2 , %wt): 29.0 to 32.0%; Hydrogen Dioxide, Hydroperoxide; H_2O_2 ; **F.W.** 34.01; **CAS** [7722-84-1, 7732-18-5]; **Melting Point:** -33°C; **Boiling Point:** 108°C; **Density:** 1.10g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 2014; **Recommended Storage:** Room Temperature



Hydroxynaphthol Blue

Certified

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | H346-100 |

1-(2-Naphtholazo-3,6-disulfonic Acid)-2-naphthol-4-sulfonic Acid Disodium Salt; $C_{20}H_{11}N_2Na_3O_{11}S_3$; **F.W.** 620.47; **CAS** [63451-35-4]; Used as an indicator for EDTA titrimetric determination of calcium. Color changes from reddish pink to blue.



Hydroxynaphthol Blue

ACS Grade, USP, NF

M

| Quantity | Packaging | Cat. No. |
|---|--------------|----------|
| 100g | Glass Bottle | MHX08483 |
| Granular; $C_{20}H_{11}N_2O_{11}S_3Na_3$; F.W. 62.48; Blue violet | | |

Imidazole

Molecular Biology Grade

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 50g | Poly Bottle | BP305-50 |

DNase-, RNase- and Protease-Free; $\geq 99\%$; 1,3-Diaza-2,4-cyclopentadiene, Glyoxaline; $C_3H_4N_2$; **HNCH:CHN:CH**; **F.W.** 68.08; **CAS** [288-32-4]; **Melting Point:** 86° to 90°C (186.8° to 194°F); **Flash Point:** 145°C; **DOT Class 8:** Corrosive; **UN:** 3263; **Recommended Storage:** Room Temperature; **Application:** Soluble in water; Commonly used buffering agent.



Iodine Solution

M

| Quantity | Packaging | Cat. No. |
|-----------|----------------|----------|
| 4 x 500mL | Plastic Bottle | 23750027 |

Individual replacement for the iodine component of the Gram Staining Set. Chemically binds crystal violet stain to the cell wall. For use with the MIDAS™ III Automated Stainer.

L-Isoleucine

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | BP384-100 |

White Crystals or Crystalline Powder; 98.5 to 101.0%; $C_6H_{13}NO_2$; **F.W.** 131.17; **CAS** [73-32-5]; **Melting Point:** 284° to 286°C (543.2° to 546.8°F); **Recommended Storage:** Room Temperature



Isopropanol, 99.9%

HPLC Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------------------------|----------|
| 4L | Amber Glass Bottle, EcoSafPak™ | BP2632-4 |

Also meets ACS specifications; 2-Propanol, Isopropyl Alcohol; C_3H_8O ; $(CH_3)_2CHOH$; **F.W.** 60.10; **CAS** [67-63-0]; **Melting Point:** -89.5°C (-129.1°F); **Boiling Point:** 81° to 83°C; **Density:** 0.785g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1219; **Recommended Storage:** Room Temperature; Colorless; **Refractive Index:** 1.3740 to 1.3760; Submicron Filtered.



Isopropyl-β-D-thiogalactopyranoside

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|------------|
| 1g | Glass Bottle | BP1755-1 |
| 10g | Glass Bottle | BP1755-10 |
| 100g | Glass Bottle | BP1755-100 |

$\geq 99\%$ (by TLC); IPTG; $C_8H_{16}O_6S$; **F.W.** 238.31; **CAS** [367-93-1]; **Melting Point:** 105°C; **Flash Point:** 110°C; **Recommended Storage:** 4°C; Dioxane-free; Soluble in water; For blue-white selection of recombinant bacterial colonies. IPTG is commonly used in cloning procedures that require induction of β -galactosidase activity. It is used in conjunction with X-gal in blue-white selection of recombinant bacterial colonies that induce expression of the lac operon in *Escherichia coli*.



Isopropyl-β-D-thiogalactopyranoside



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 1g | Glass Bottle | BP1620-1 |
| 10g | Glass Bottle | BP1620-10 |

White Powder, Dioxane Crystallized; IPTG; C₉H₁₈O₅S;
F.W. 238.3; CAS [123-91-1, 367-93-1];

Melting Point: 122° to 126°C (251.6° to 258.8°F);

Flash Point: 110°C; **Recommended Storage:** -20°C

For blue-white selection of recombinant bacterial colonies. IPTG is commonly used in cloning procedures that require induction of galactosidase activity. It is used in conjunction with X-gal in blue-white selection of recombinant bacterial colonies that induce expression of the lac operon in *Escherichia coli*.

Gelation Temperature: <35°C

Melting Temperature: <65°C



LB Broth, Lennox (Granulated)



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 5kg | Poly Pail | BP9722-5 |

Solid; CAS [91079-40-2, 8013-01-2];

Recommended Storage: Keep containers tightly closed in a dry, cool and well-ventilated place.

LB Broth, Lennox (Pre-Buffered Capsules)



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 5kg | Capsules | BP9730-5 |

Solid; CAS [91079-40-2, 8013-01-2];

Recommended Storage: Keep containers tightly closed in a dry, cool and well-ventilated place.

Kanamycin Sulfate



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 5g | Poly Bottle | BP906-5 |

White Powder; C₁₈H₃₈N₄O₁₁·H₂SO₄; **F.W.** 582.58;

CAS [25389-94-0]; **Recommended Storage:** Room

Temperature; **pH:** 6.5 to 8.5 (1% solution); Soluble in water;

Not on TSCA inventory; for R and D use only; not for

manufacturing or commercial purposes.

For selecting transformed cells containing kanamycin resistance gene.



LB Broth, Miller (Granulated)



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 5kg | Poly Pail | BP9723-5 |

Solid; CAS [7647-14-5, 91079-40-2];

Recommended Storage: Keep containers tightly closed in a dry, cool and well-ventilated place.

LB Broth, Miller (Pre-Buffered Capsules)



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 5kg | Poly Pail | BP9731-5 |

Solid; CAS [7647-14-5, 91079-40-2];

Recommended Storage: Keep containers tightly closed in a dry, cool and well-ventilated place.

Kanamycin Sulfate



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10g | Glass Bottle | AC45081-0100 |
| 50g | Glass Bottle | AC45081-0500 |
| 100g | Glass Bottle | AC45081-1000 |

C₁₈H₃₈N₄O₁₁·H₂SO₄; **F.W.** 582.59; CAS [25389-94-0];

Solubility in water: soluble.

Kanamycin Sulfate



| Quantity | Packaging | Cat. No. |
|----------|------------------------|--------------|
| 5g | AcroSeal™ Glass Bottle | AC61129-0050 |

C₁₈H₃₈N₄O₁₁·H₂SO₄; **F.W.** 582.59; CAS [25389-94-0]; **pH:** 6.5 to 8.5

Solubility in water: Soluble

Lactophenol Cotton Blue



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100mL | Poly Bottle | MR0346570 |

Liquid; Dark Blue, Clear; Fungi Stain

LB Agar, Lennox (Granulated)



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 2kg | Poly Pail | BP9745-2 |
| 500g | Poly Bottle | BP9745-500 |

Solid (Beige); CAS [9002-18-0, 7647-14-5]; **Recommended Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place.

Lipoprotein



| Quantity | Packaging | Cat. No. |
|----------|-----------|-------------|
| 2mg | ---- | AAJ650298PL |

Liquid; 99%; Ac-LDL; Acetylated LDL;

Recommended Storage: 2° to 8°C; low density, acetylated, human plasma

Lipoprotein



| Quantity | Packaging | Cat. No. |
|----------|-----------|-------------|
| 2mg | ---- | AAJ655918PL |

Liquid; 99%; Ox-LDL; Oxidized LDL; **Recommended Storage:** 2° to 8°C; low density, oxidized, human plasma

Lithium Dodecyl Sulfate Molecular Biology Grade

| F | Quantity | Packaging | Cat. No. |
|----------|----------|--------------|-----------|
| | 25g | Glass Bottle | BP1309-25 |

Powder or Flakes; ≥99%; C₁₂H₂₆O₄SLi; CH₃(CH₂)₁₁OSO₃Li;
F.W. 273.18; **CAS** [2044-56-6]; **Boiling Point:** 65.56°C;
Recommended Storage: Room Temperature

ChemAlert®
Storage Code
GRAY

L-Lysine

| ACROS ORGANICS | Quantity | Packaging | Cat. No. |
|-----------------------|----------|--------------|--------------|
| | 500g | Glass Bottle | AC30334-5000 |

98%; L-(-)-Lys, L-(+)-2,6-Diaminocaproic acid,
 L-(+)-2,6-Diaminohexanoic acid, (S)-2,6-Diaminocaproic acid; C₆H₁₁N₂O₂;
F.W. 146.19; **CAS** [56-87-1]; **Melting Point:** 214.0° to 216.0°C

L-Lysine Hydrochloride

| F | Quantity | Packaging | Cat. No. |
|----------|----------|--------------|-----------|
| | 100g | Glass Bottle | BP386-100 |

White Powder; 98.5 to 100.5%; C₆H₁₁N₂O₂·HCl; **F.W.** 182.65;
CAS [657-27-2]; **Melting Point:** 263° to 264°C;
Recommended Storage: Room Temperature

ChemAlert®
Storage Code
GRAY

Magnesium Acetate Tetrahydrate

| F | Quantity | Packaging | Cat. No. |
|----------|----------|-------------|-----------|
| | 500g | Poly Bottle | BP215-500 |

≥99.0%; C₄H₆O₄Mg·4H₂O; (CH₃COO)₂Mg·4H₂O; **F.W.** 214.46;
CAS [16674-78-5]; **Melting Point:** 80°C; **Density:** 1.45g/mL;
Recommended Storage: Room Temperature;
pH: 6.5 to 8.5 (at 25°C)

ChemAlert®
Storage Code
GRAY

Magnesium Chloride Hexahydrate

| F | Quantity | Packaging | Cat. No. |
|----------|----------|-------------|-----------|
| | 500g | Poly Bottle | BP214-500 |

≥99.0%; Cl₂Mg·6H₂O; **F.W.** 203.31; **CAS** [7786-30-3, 7791-18-6];
Melting Point: 117°C; **Density:** 1.56g/mL;
Recommended Storage: Room Temperature
 Soluble in water

ChemAlert®
Storage Code
GRAY

Magnesium Sulfate Heptahydrate

| F | Quantity | Packaging | Cat. No. |
|----------|----------|-------------|----------|
| | 1kg | Poly Bottle | BP213-1 |

98.0 to 102.0%; MgSO₄·7H₂O; **F.W.** 246.47;
CAS [10034-99-8]; **Density:** 1.68g/mL;
Recommended Storage: Room Temperature;
pH: 5.0 to 8.2 (at 25°C)

ChemAlert®
Storage Code
GRAY

Malachite Green Oxalate Certified Biological Stain

| F | Quantity | Packaging | Cat. No. |
|----------|----------|--------------|----------|
| | 25g | Glass Bottle | M290-25 |

Basic Green 4; C₁₈H₁₄N₆O₅SNa; **F.W.** 327.33; **CAS** [547-58-0];
Melting Point: >300°C; **Density:** 1g/mL; **Poison:** DOT Class 6.1;
UN: 2811; **C.I.** 42000;
 Suitable for use in histology, bacteriology (staining).

ChemAlert®
Storage Code
BLUE

D-(+)-Maltose Monohydrate

| F | Quantity | Packaging | Cat. No. |
|----------|----------|-------------|-----------|
| | 500g | Poly Bottle | BP684-500 |

White to Off-White Powder; ≥97%; C₁₂H₂₂O₁₁·H₂O; **F.W.** 360.29;
CAS [6363-53-7]; **Melting Point:** 130°C; **Density:** 1.54g/mL;
Recommended Storage: Room Temperature

ChemAlert®
Storage Code
GRAY

Manganese Chloride Molecular Biology Grade

| F | Quantity | Packaging | Cat. No. |
|----------|----------|-------------|-----------|
| | 100mL | Poly Bottle | BP541-100 |

Clear, Light Pink Liquid; Manganese Dichloride, Manganous Chloride; **CAS** [7732-18-5, 7773-01-5];
Recommended Storage: Room Temperature; 0.99 to 1.01M;
 1.0M Solution; 0.2-micron filtered solution in 18-megohm water.

ChemAlert®
Storage Code
GRAY

May-Grunwald Solution Certified Biological Stain

| M END HILLPHASE | Quantity | Packaging | Cat. No. |
|---------------------------|---------------------|-------------|----------|
| | 4L (approx. 1 gal.) | Poly Bottle | M66085 |

HARLECO™ Hematology Stain
 Blood stain producing results similar to Wright Stain. May be used in conjunction with Giemsa Stain for bone marrow preparations. For in vitro diagnostic use. Prepared from dyes certified by the Biological Stain Commission (BSC).

2-Mercaptoethanol Electrophoresis Grade

| F | Quantity | Packaging | Cat. No. |
|----------|----------------|--------------------------------|-----------|
| | 89.74mL (100g) | Amber Glass Bottle/Poison Pack | BP176-100 |

≥98%; 2-Hydroxy-1-ethanethiol, 2-Hydroxyethyl mercaptan,
 Thioglycol; C₂H₆OS; HSCH₂CH₂OH; **F.W.** 78.13;
CAS [60-24-2]; **Melting Point:** -100°C (-148°F);
Boiling Point: 157° to 158°C; **Density:** 1.110g/mL;
DOT Class 6.1: Poison; **UN:** 2966;
Recommended Storage: Room Temperature

ChemAlert®
Storage Code
RED

MES

| F | Quantity | Packaging | Cat. No. |
|----------|----------|--------------|-----------|
| | 100g | Glass Bottle | BP300-100 |

Fine White Crystals; DNase- and RNase-Free; ≥98%;
 2-(4-Morpholino)ethane Sulfonic Acid, 2-(N-Morpholino)
 ethanesulfonic acid hydrate; C₈H₁₃NO₄·S·H₂O; **F.W.** 213.2;
CAS [145224-94-8]; **Melting Point:** >300°C;
Recommended Storage: Room Temperature
 Commonly used buffering agent.

ChemAlert®
Storage Code
GRAY

MES Hydrate Biochemical Grade

| ACROS ORGANICS | Quantity | Packaging | Cat. No. |
|-----------------------|----------|----------------|--------------|
| | 100g | Plastic Bottle | AC17259-1000 |
| | 500g | Plastic Bottle | AC17259-5000 |

≥99%; C₈H₁₃NO₄·xH₂O; **F.W.** 195.23; **CAS** [1266615-59-1];
Melting Point: 243.0°C; Solubility in water: soluble; TSCA

MES Monohydrate Biochemical Grade

| ACROS ORGANICS | Quantity | Packaging | Cat. No. |
|-----------------------|----------|----------------|--------------|
| | 100g | Plastic Bottle | AC32776-1000 |

≥99%; 2-(N-Morpholino)ethanesulfonic acid monohydrate;
 C₈H₁₃NO₄·H₂O; **F.W.** 213.25; **CAS** [145224-94-8];
Melting Point: >300.0°C

Methanol Sequencing Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | BP1105-1 |
| 4L | Glass Bottle | BP1105-4 |

Liquid; Peroxides: $\leq 0.001\%$; $\geq 99.9\%$; Methyl Alcohol; CH_4O ; CH_3OH ; **F.W.** 32.04; **CAS** [67-56-1]; **Melting Point:** -98°C (-144.4°F); **Flash Point:** 12°C (53.6°F); **Boiling Point:** 64.7°C ; **Density:** 1.11 (Air = 1.0); **DOT Class 3:** Flammable Liquid; **UN:** 1230; **Recommended Storage:** Room Temperature Peroxide-free; **Refractive Index:** 1.326 to 1.330; Solubility in water: miscible; Suitable for staining and destaining protein electrophoresis gels, in HPLC, and in other biological applications.



Methylene Blue Certified Biological Stain



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | M291-25 |
| 100g | Glass Bottle | M291-100 |

Basic Blue 9; $\text{C}_{16}\text{H}_{18}\text{ClN}_3\text{S}\cdot 3\text{H}_2\text{O}$; **F.W.** 373.90; **CAS** [7220-79-3]; **Melting Point:** 190°C ; **Density:** 13 (Air = 1.0); **C.I.** 52015; Solubility in water: slight; For use in histology, bacteriology (staining), compounding of blood stains.



L-Methionine



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | BP388-100 |

White Crystals or Crystalline Powder; 98.5 to 100.5%; $\text{C}_5\text{H}_{11}\text{NO}_2\text{S}$; **F.W.** 149.21; **CAS** [63-68-3]; **Melting Point:** 276° to 279°C ; **Recommended Storage:** Room Temperature



Methyl Green, Zinc Chloride Salt Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC41438-1000 |

C.I. 42590, Ethyl Green, zinc chloride salt; $\text{C}_{27}\text{H}_{35}\text{BrClN}_3\cdot x\text{ZnCl}_2$; **F.W.** 653.23; **CAS** [7114-03-6]; **Melting Point:** 233.0°C ; **UN:** 3147; Solubility in water: 70g/L (20°C).



Methylene Blue



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | BP117-100 |

$\text{C}_{16}\text{H}_{18}\text{ClN}_3\text{S}\cdot 3\text{H}_2\text{O}$; **F.W.** 373.90; **CAS** [7220-79-3]; **Melting Point:** 190°C ; **Density:** 13 (Air = 1.0); **C.I.** 52015; **Recommended Storage:** Room Temperature Solubility in water: slight



Methylene Blue Trihydrate USP



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | M235-100 |

Crystalline; Basic Blue 9 Trihydrate; $\text{C}_{16}\text{H}_{18}\text{ClN}_3\text{S}\cdot 3\text{H}_2\text{O}$; **F.W.** 373.90; **CAS** [7220-79-3]; **Melting Point:** 190°C ; **Density:** 13 (Air = 1.0) Solubility in water: slight



Methyl Orange Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | M216-25 |
| 500g | Poly Bottle | M216-500 |

Sodium p-Dimethylaminoazobenzenesulfonate, Helianthin; $\text{C}_{14}\text{H}_{14}\text{N}_4\text{O}_3\text{SNa}$; 4-NaOSO₂C₆H₄N:NC₆H₄-4-N(CH₃)₂; **F.W.** 327.33; **CAS** [547-58-0]; **Melting Point:** $>300^\circ\text{C}$; **Density:** 1g/mL; **DOT Class 6.1:** Poison; **UN:** 3143; **C.I.** 13025



Methylene Chloride



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 4L | Glass Bottle | BP1186-4 |

$\geq 99.9\%$; Dichloromethane, DCM; CH_2Cl_2 ; **F.W.** 84.93; **CAS** [110-83-8, 513-35-9, 67-56-1, 75-09-2]; **Melting Point:** -97°C (-142°F); **Boiling Point:** 40°C ; **Density:** 2.93 (Air = 1.0); **DOT Class 6.1:** Poison; **UN:** 1593; **Recommended Storage:** Room Temperature; Pentene Preservative; **Refractive Index:** 1.4200 to 1.4230



Methyl Orange Solution, 0.1% (w/v) Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | SM54-500 |

Acid Orange 52, Benzenesulfonic Acid Sodium Salt; **CAS** [547-58-0, 6381-92-6, 7732-18-5]; **Density:** 1g/mL; **C.I.** 13025; 0.05 to 0.15%; **pH:** 5.0 to 6.5 (at 25°C)



N-Methylpyrrolidinone



| Quantity | Packaging | Cat. No. |
|----------|------------------------------|-------------|
| 4L | Glass Bottle | BP1172-4 |
| 19L | NOWPak™ I (Plastic Exterior) | BP1172N1-19 |

Clear colorless liquid; (by GC): $\geq 99.8\%$; N-Methyl-2-Pyrrolidinone, NMP; $\text{C}_5\text{H}_9\text{NO}$; **F.W.** 99.13; **CAS** [872-50-4]; **Melting Point:** -24°C ; **Flash Point:** 91°C ; **Boiling Point:** 202°C ; **Density:** 3.4 (Air = 1.0); **Recommended Storage:** Room Temperature Soluble in water; For automated oligonucleotide synthesis.



Methyl Red, Sodium Salt Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 10g | Glass Bottle | M301-10 |

Acid Red 2, Sodium Salt; $\text{C}_{15}\text{H}_{14}\text{N}_2\text{O}_2\text{Na}$; 4-(CH₃)₂NC₆H₄-N-N-2-(CO₂Na)C₆H₄; **F.W.** 291.28; **CAS** [845-10-3]; **Melting Point:** 18.4°C (65°F)



Mineral Oil



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | BP2629-1 |

Liquid Petrolatum, Liquid Paraffin; **CAS** [8042-47-5]; **Flash Point:** 160°C ; **Boiling Point:** 260° to 427°C (500° to 800.1°F); **Density:** 0.83g/mL; **Recommended Storage:** Room Temperature; Clear, Viscous Liquid; Solubility in water: insoluble



Minocycline Hydrochloride



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 1g | Glass Bottle | AC45533-0010 |

97%; 7-Dimethylamino-6-demethyl-6-deoxytetracycline; $C_{23}H_{27}N_3O_7 \cdot HCl$; **F.W.** 493.94; CAS [13614-98-7]; Solubility in water: slightly soluble
Solubility in other solvents: soluble in DMF and methanol

Mitomycin C



| Quantity | Packaging | Cat. No. |
|----------|--------------------|-----------|
| 2mg | Amber Glass Bottle | BP2531-2 |
| 10mg | Amber Glass Bottle | BP2531-10 |

Blue Powder; $\geq 98.0\%$; $C_{15}H_{18}N_4O_5$; **F.W.** 334.3; CAS [50-07-7]; **Melting Point:** 360°C (680°F); **Recommended Storage:** 4°C; Soluble in water; Antibacterial spectrum: gram positive, gram negative, acid-fast bacilli. Potency: $\geq 850\mu g/mg$.



Molecular Sieves, Grade 514



| Quantity | Packaging | Cat. No. |
|----------|--------------|------------|
| 500g | Glass Bottle | BP2631-500 |

Aluminum Sodium Silicate; CAS [1344-00-9, 1344-01-0, 12736-96-8, 1332-58-7, 14808-60-7]; **Density:** 2.1g/mL; **Recommended Storage:** Room Temperature; 8 to 12 Mesh; Type 4A; Effective pore size: 4Å. Base: Alumina-Silicate Cation: Sodium



MOPS

Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | BP308-100 |
| 500g | Poly Bottle | BP308-500 |

Fine White Crystals; DNase-, RNase- and Protease-Free; $\geq 97\%$; 3-(4-Morpholino)propane sulfonic acid; $C_7H_{15}NO_4S$; $CH_2CH_2OCH_2CH_2N(CH_2)_3SO_3H$; **F.W.** 209.26; CAS [1132-61-2]; **Melting Point:** 277° to 282°C (530.6° to 539.6°F); **Flash Point:** 116°C; **Recommended Storage:** Room Temperature; Soluble in water; Commonly used buffering agent.



MOPS

Biochemical Grade



| Quantity | Packaging | Cat. No. |
|----------|----------------|--------------|
| 100g | Plastic Bottle | AC17263-1000 |
| 500g | Plastic Bottle | AC17263-5000 |

99%; 3-(N-Morpholino)propanesulfonic acid; $C_7H_{15}NO_4S$; **F.W.** 209.26; CAS [1132-61-2]; **Melting Point:** 277.0° to 282.0°C; **Flash Point:** 116°C Solubility in water: 1000g/L (20°C). Other solubilities: <10g/L ethanol (20°C); TSCA

p-Naphtholbenzein Indicator Solution



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | SN1-500 |

CAS [145-50-6, 108-88-3, 67-63-0, 7732-18-5]; **Flash Point:** 2°C; **Density:** 0.83g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1993



Ninhydrin

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 10g | Glass Bottle | T349-10 |

Crystalline; 1,2,3-Triketohydrindene Hydrate, 1H-Indene-1,2,3, trione Monohydrate; $C_9H_6O_4$; $C_8H_4-1,2-(CO)_2CO \cdot H_2O$; **F.W.** 178.15; CAS [485-47-2]; **Density:** 0.86g/mL



Ninhydrin



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC16587-1000 |
| 500g | Glass Bottle | AC16587-5000 |

1,2,3-Indantrione, 1,2,3-Triketohydrindene, 2,2-Dihydroxy-1H-indene-1,3(2H)-dione, 1H-Indene-1,2,3-trione; $C_9H_6O_4$; **F.W.** 178.14; CAS [485-47-2]; **Melting Point:** 250.0°C Solubility in water: soluble. Other solubilities: soluble in alcohol, slightly soluble in ether and chloroform; TSCA

Nystatin



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 5g | Amber Glass Bottle | BP2949-5 |

Dry, White or Almost White Powder; $C_{27}H_{75}NO_{17}$; **F.W.** 926.1; CAS [1400-61-9]; **Melting Point:** >160°C **pH:** 6.0 to 8.0 (at 25°C) Alters membrane permeability and allows potassium ion leakage.



n-Octyl-β-D-Glucopyranoside



| Quantity | Packaging | Cat. No. |
|----------|-------------------|----------|
| 25g | Amber Poly Bottle | BP585-25 |

White Crystalline Powder; $\geq 98\%$; $C_{14}H_{28}O_6$; **F.W.** 292.4; CAS [29836-26-8]; **Melting Point:** 105°C; **Recommended Storage:** -20°C; Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.



Penicillin/Streptomycin Mixture



| Quantity | Packaging | Cat. No. |
|----------|----------------|-----------|
| 50mL | Plastic Bottle | BP2959-50 |

Liquid; CAS [3810-74-0, 69-57-8, 7647-14-5, 7732-18-5]; **pH:** 5.0 to 7.0; Interferes with synthesis of bacterial cell wall. Inhibits protein synthesis; binds to 30S ribosomal subunit.



Penicillin/Streptomycin/Glutamine Mixture



| Quantity | Packaging | Cat. No. |
|----------|----------------|-----------|
| 50mL | Plastic Bottle | BP2960-50 |

Liquid; CAS [3810-74-0, 69-57-8, 7647-14-5, 56-85-9, 7732-18-5]; **pH:** 6.0 to 7.0 Interferes with synthesis of bacterial cell wall. Inhibits protein synthesis. Interferes with bacterial cell division.



Peptone



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 5kg | Poly Pail | BP9725-5 |

Solid; CAS [73049-73-7]; **Recommended Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place.

Phenol



| Quantity | Packaging | Cat. No. |
|----------|--------------------------------|-----------|
| 100g | Amber Glass Bottle/Poison Pack | BP226-100 |
| 500g | Amber Glass Bottle/Poison Pack | BP226-500 |

Crystalline; $\geq 99.0\%$; Carboic Acid, Oxybenzene; C_6H_6O ; C_6H_5OH ; **F.W.** 94.11; **CAS** [108-95-2]; **Melting Point:** 39° to 42°C (102.2° to 107.6°F); **Flash Point:** 79°C; **Boiling Point:** 182°C; **Density:** 3.2; **DOT Class 6.1:** Poison; **UN:** 1671; **Recommended Storage:** 4°C;



Phenol, Saturated



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------------|-------------|
| 100mL | Coated Amber Glass Bottle/Poison Pack | BP1750I-100 |
| 400mL | Coated Amber Glass Bottle/Poison Pack | BP1750I-400 |

Liquid; DNase- and RNase-Free; $\geq 99.0\%$; **CAS** [108-95-2 (Phenol), 6381-92-6 (Ethylenediaminetetraacetic acid, disodium salt dihydrate), 77-86-1 (Tris (hydroxymethyl) aminomethane)]; **Flash Point:** 79°C; **DOT Class 6.1:** Poison; **UN:** 2821; **Recommended Storage:** 4°C; **pH:** 6.4 to 6.8 (at 25°C); Directions for Use:



For most DNA applications: 1) Add the entire contents of the small bottle of buffer to the large bottle of saturated phenol and gently mix. 2) Allow the layers to separate before use, about 2 to 4 hours. 3) The pH of the saturated phenol solution is now 7.9 ± 0.2 . 4) After the addition of the buffer, the solution is stable for more than six months when stored at 4°C.

For DNA and RNA applications where a lower pH is more suitable: 1) The large bottle of saturated phenol should be used directly with no additions. 2) The pH of the large bottle of saturated phenol is 6.6 ± 0.2 and is stable for more than one year when stored at 4°C. Capped with a layer of buffer.

Phenol, Saturated



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------------|-------------|
| 100mL | Coated Amber Glass Bottle/Poison Pack | BP1751I-100 |
| 400mL | Coated Amber Glass Bottle/Poison Pack | BP1751I-400 |

Liquid, **pH** 4.3; $\geq 99.0\%$; **CAS** [108-95-2]; **Flash Point:** 79.4°C; **DOT Class 6.1:** Poison; **UN:** 2821; **Recommended Storage:** 4°C; **pH Range:** 4.1 to 4.5 (at 25°C); Soluble in water; For RNA purification. Capped with a layer of buffer.



Phenol Red, Free Acid

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 10g | Glass Bottle | P74-10 |

Phenosulfohephthalein, 4,4'-(3H-2,1-Benzoxathiol-3-ylidene) bisphenol S,S-Dioxide; $C_{19}H_{14}O_5S$; $C_6H_4SO_2OC(C_6H_4-4-OH)_2$; **F.W.** 354.39; **CAS** [143-74-8]; **Melting Point:** $>300^\circ\text{C}$; pH indicator.



Phenol Red, Sodium Salt

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 10g | Glass Bottle | P391-10 |

Phenolsulfonephthalein Sodium Salt; $C_{19}H_{13}O_5S\cdot Na$; $C_6H_4SO_2OC(C_6H_4-4-OH)(C_6H_4-4-ONa)$; **F.W.** 376.37; **CAS** [34487-61-1]; **Melting Point:** 285°C (decom); pH indicator.



Phenol Red, Sodium Salt

Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 100g | Glass Bottle | AC15144-1000 |

$C_{19}H_{13}NaO_5S$; **F.W.** 376.35; **CAS** [34487-61-1]; **Melting Point:** 285.0°C; Solubility in water: soluble

Phenol/Chloroform/Isoamyl Alcohol



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------------|-------------|
| 100mL | Coated Amber Glass Bottle/Poison Pack | BP1754I-100 |
| 400mL | Coated Amber Glass Bottle/Poison Pack | BP1754I-400 |

CAS [123-51-3]; **DOT Class 6.1:** Poison; **UN:** 2821; **Recommended Storage:** 4°C; 125:24:1 Mixture; **pH:** 4.3



Phenol/Chloroform/Isoamyl Alcohol



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------------|-------------|
| 100mL | Coated Amber Glass Bottle/Poison Pack | BP1753I-100 |
| 400mL | Coated Amber Glass Bottle/Poison Pack | BP1753I-400 |

Liquid; **CAS** [67-66-3]; **DOT Class 6.1:** Poison; **UN:** 2821; **Recommended Storage:** 4°C; **pH:** 4.9 to 5.5 (at 25°C)



Phenol/Chloroform/Isoamyl Alcohol



| Quantity | Packaging | Cat. No. |
|----------|---------------------------------------|-------------|
| 100mL | Coated Amber Glass Bottle/Poison Pack | BP1752I-100 |
| 400mL | Coated Amber Glass Bottle/Poison Pack | BP1752I-400 |

Liquid; $\geq 99.0\%$; **CAS** [108-95-2]; **DOT Class 6.1:** Poison; **UN:** 2821; **Recommended Storage:** 4°C; **pH:** 6.5 to 6.9 (at 25°C); For extraction of proteins from crude nucleic acid preparations.



Phenolphthalein

Certified ACS



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | P79-100 |
| 500g | Poly Bottle | P79-500 |

3,3-Bis(p-hydroxyphenyl)-1(3H)-isobenzofuranone, 3,3-Bis(p-hydroxyphenyl) Phthallide; $C_{20}H_{14}O_4$; $C_6H_4COOC(C_6H_4-4-OH)_2$; **F.W.** 318.33; **CAS** [77-09-8]; **Melting Point:** 258° to 263°C (496.4° to 505.4°F); **Density:** 1.3g/mL; Solubility in water: insoluble



Phenolphthalein Solution, Alcoholic 0.5%



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SP50-1 |

Concentration: 0.5%; **CAS** [67-63-0, 77-09-8, 7732-18-5]; **Melting Point:** -89°C; **Flash Point:** 21.7°C (71.1°F); **Boiling Point:** 83°C; **Density:** 2.1; **DOT Class 3:** Flammable Liquid; **UN:** 1219; **Concentration Range:** 0.45 to 0.55% Soluble in water



Phenolphthalein Solution, Alcoholic, 1.0%



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 1L | Glass Bottle | SP62-1 |
| 500mL | Glass Bottle | SP62-500 |

CAS [77-09-8, 67-63-0]; **Melting Point:** -89°C; **Flash Point:** 12°C; **Boiling Point:** 83°C; **Density:** 0.79g/mL; **DOT Class 3:** Flammable Liquid; **UN:** 1219; 0.7 to 1.3%; Volumetric indicator.



L-Phenylalanine

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------|-----------|
| | 100g | Glass Bottle | BP391-100 |

White Crystals or Crystalline Powder; 98.5 to 100.5%; $C_9H_9NO_2$; **F.W.** 165.19; CAS [63-91-2]; **Melting Point:** 270° to 275°C; **Density:** 0.754g/mL; **Recommended Storage:** Room Temperature

ChemAlert! Storage Code GRAY

L-Phenylalanine

| ACROS ORGANICS | Quantity | Packaging | Cat. No. |
|----------------|----------|----------------|--------------|
| | 2.5kg | Plastic Bottle | AC13031-0025 |

≥98.5%; L-2-Amino-3-phenylpropionic acid; $C_9H_9NO_2$; $C_6H_5CH_2CH(NH_2)CO_2H$; **F.W.** 165.19; CAS [63-91-2]; **Melting Point:** 270.0° to 275.0°C; Solubility in water: 27g/L (20°C). Other solubilities: very slightly soluble in methanol, ethanol

Phorbol 12-Myristate 13-Acetate

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------|----------|
| | 1mg | Glass Ampule | BP685-1 |

Clear or Whitish Film; ≥99.0%; PMA; $C_{36}H_{56}O_8$; **F.W.** 616.8; CAS [16561-29-8]; **Recommended Storage:** -20°C; Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes; Film adheres to inside of vial.

ChemAlert! Storage Code GRAY

Phosphate Buffered Saline

| F | Quantity | Packaging | Cat. No. |
|-----|-------------|-------------|----------|
| | 10L | Poly Bottle | BP661-10 |
| 50L | Poly Bottle | BP661-50 | |

White Granular Powder; DNase-, RNase- and Protease-Free; PBS; CAS [7647-14-5, 7558-79-4, 7778-77-0, 7447-40-7]; **Recommended Storage:** Room Temperature; 1X Powder Concentrate; **pH:** 7.3 to 7.5 (1X solution); Commonly used buffer.

ChemAlert! Storage Code GRAY

Phosphate Buffered Saline

| F | Quantity | Packaging | Cat. No. |
|-----|-----------|-----------|----------|
| | 4L | Poly CUBE | BP2438-4 |
| 20L | Poly CUBE | BP2438-20 | |

Clear colorless liquid; DNase-, RNase- and Protease-Free; PBS; CAS [7447-40-7, 7558-79-4, 7647-14-5, 7732-18-5, 7778-77-0]; **Melting Point:** >0°C; **Recommended Storage:** Room Temperature; Clear; Filtered through a 0.2-micron filter.; 1X Solution; **pH:** 7.3 to 7.5
Standard buffer for many biomolecular procedures. 0.137M Sodium Chloride, 0.0027M Potassium Chloride, and 0.0119M Phosphates. 0.2mm filtered

ChemAlert! Storage Code GRAY

Phosphate Buffered Saline

| F | Quantity | Packaging | Cat. No. |
|-----|---------------------|-------------|-----------|
| | 500mL | Poly Bottle | BP399-500 |
| 1L | Nalgene Poly Bottle | BP399-1 | |
| 4L | Poly CUBE | BP399-4 | |
| 20L | Poly CUBE | BP399-20 | |

Clear colorless liquid; PBS; CAS [7732-18-5, 7647-14-5, 7447-40-7, 7558-79-4, 7778-77-0]; **Recommended Storage:** Room Temperature; 10X Solution; **pH:** 7.3 to 7.5 (1X solution); Commonly used buffer.

ChemAlert! Storage Code GRAY

Phosphate Buffered Saline

| F | Quantity | Packaging | Cat. No. |
|---|----------|-----------|----------|
| | 2 x 1L | Foil Pack | BP665-1 |

White Granular Powder; PBS; CAS [7647-14-5, 7558-79-4, 7778-77-0, 7447-40-7]; **Recommended Storage:** Room Temperature; 10X Powder Concentrate; **pH:** 7.3 to 7.5 (1X solution), 6.7 to 6.9 (10X Solution); Commonly used buffer.

ChemAlert! Storage Code GRAY

o-Phthaldialdehyde

| Alfa Aesar | Quantity | Packaging | Cat. No. |
|------------|----------|-----------|------------|
| | 10g | ---- | AAA1329909 |

98%; $C_8H_6O_2$; **F.W.** 134.14; CAS [643-79-8]; **Melting Point:** 55° to 58°C; **Flash Point:** 132°C

PIPES, Sesquisodium Salt Molecular Biology Grade

| F | Quantity | Packaging | Cat. No. |
|------|-------------|-------------|-----------|
| | 100g | Poly Bottle | BP304-100 |
| 500g | Poly Bottle | BP304-500 | |

Fine White Crystals; DNase- and RNase-Free; ≥95%; 1,4-Piperazinediethanesulfonic acid sesquisodium salt, Piperazine-1,4-bis(2-ethanesulfonic acid) sesquisodium salt; $C_{16}H_{30}N_4Na_3O_{12}S_4$; **F.W.** 670.68; CAS [100037-69-2]; **Melting Point:** >300°C; **Recommended Storage:** Room Temperature; Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes. Commonly used buffering agent.

ChemAlert! Storage Code GRAY

Polyethylene Glycol 8000

| F | Quantity | Packaging | Cat. No. |
|-----|-------------|--------------|-----------|
| | 100g | Glass Bottle | BP233-100 |
| 1kg | Poly Bottle | BP233-1 | |

PEG 8000, Polyethylene Oxide, Carbowax™; $HO-[CH_2CH_2O]_n-H$; $H(OCH_2CH_2)_nOH$; **F.W.** 7000 to 9000; CAS [25322-68-3]; **Melting Point:** 55° to 60°C (131° to 140°F); **Flash Point:** 270°C; **Boiling Point:** 200°C; **Density:** 1.1g/mL; **Recommended Storage:** Room Temperature

ChemAlert! Storage Code GRAY

Polymixin B Sulfate

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------------|----------|
| | 1g | Amber Glass Bottle | BP2954-1 |

Dry, White or off-White Powder; $C_{55}H_{96}N_{16}O_{13} \cdot 2H_2SO_4$; **F.W.** 1385.61; CAS [1405-20-5]; **pH:** 5.0 to 7.5
Interferes with cytoplasmic membrane.

ChemAlert! Storage Code GRAY

Polyvinylpyrrolidone

| F | Quantity | Packaging | Cat. No. |
|------|-------------|-------------|-----------|
| | 100g | Poly Bottle | BP431-100 |
| 500g | Poly Bottle | BP431-500 | |

≥95%; Povidone, Polyvidone, PVP; (C_5H_7NO) _n; CAS [9003-39-8]; **Melting Point:** 100°C (212°F); **Density:** 1.1 to 1.3g/mL; **Recommended Storage:** Room Temperature; **pH:** 3.0 to 7.0 (at 25°C); Average Molecular Wt.: 40,000.

ChemAlert! Storage Code GRAY

Ponceau S



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 10g | Glass Bottle | BP103-10 |

$C_{22}H_{12}N_4Na_4O_{13}S_4$; **F.W.** 760.57; **CAS** [6226-79-5]; **C.I.** 27195;
Solubility in water: insoluble

ChemAlert®
Storage Code
GRAY

Potassium Acetate



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | BP364-500 |

Colorless Crystals or Powder; ≥99.0%;
Acetic Acid, Potassium Salt; $C_2H_3KO_2$; CH_3COOK ; **F.W.** 98.14;
CAS [127-08-2]; **Melting Point:** 292°C; **Flash Point:** 250°C;
Recommended Storage: Room Temperature;
pH: 6.5 to 9.0 (at 25°C); Soluble in water
For ethanol precipitations. Low metal ion content: ≤5ppm.

ChemAlert®
Storage Code
GRAY

Potassium Carbonate, Anhydrous



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500g | Glass Bottle | BP365-500 |

White Granular Powder; ≥99.0%; Dipotassium Carbonate; CK_2O_3 ;
F.W. 138.21; **CAS** [584-08-7]; **Melting Point:** 891°C;
Density: 2.43g/mL;
Recommended Storage: Room Temperature

ChemAlert®
Storage Code
GRAY

Potassium Chloride



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | BP366-500 |
| 1kg | Poly Bottle | BP366-1 |

White Crystals; 99.0 to 100.5%; **KCl**; **F.W.** 74.55;
CAS [7447-40-7]; **Melting Point:** 773°C (1423°F);
Boiling Point: Sublimes at 1500°C; **Density:** 1.99g/mL;
Recommended Storage: Room Temperature
pH: 5.4 to 8.6 (at 25°C); Solubility in water: partially soluble
For molecular biology and cell culture applications.
Low metal ion content: ≤5ppm.

ChemAlert®
Storage Code
GRAY

Potassium Iodide



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | BP367-500 |

White, Free Flowing Granules; ≥99.0%; **IK**; **F.W.** 166;
CAS [7681-11-0]; **Melting Point:** 680°C; **Boiling Point:** 1330°C;
Recommended Storage: Room Temperature;
pH: 6.0 to 9.2 (at 25°C); Soluble in water;
For molecular biology and cell culture applications.
Low metal ion content: ≤5ppm.

ChemAlert®
Storage Code
GRAY

Potassium Nitrate



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | BP368-500 |

Colorless to White Crystals; ≥99.0%; **KNO₃**; **F.W.** 101.1;
CAS [7757-79-1]; **Melting Point:** 334°C; **Boiling Point:** 400°C;
DOT Class 5.1: Oxidizer; **UN:** 1486;
Recommended Storage: Room Temperature;
pH: 4.5 to 8.5 (at 25°C)

ChemAlert®
Storage Code
YELLOW

Potassium Phosphate Dibasic



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500g | Glass Bottle | BP363-500 |
| 1kg | Poly Bottle | BP363-1 |

Fine White Crystalline Powder; ≥98.0%;
Phosphoric Acid, Dipotassium Salt, Potassium monohydrogen
phosphate; HK_2O_4P ; **F.W.** 174.18; **CAS** [7758-11-4];
Melting Point: 340°C;
Recommended Storage: Room Temperature; **pH:** 8.5 to 9.6 (at 25°C);
Soluble in water
For molecular biology and cell culture applications.
Low metal ion content: ≤5ppm.

ChemAlert®
Storage Code
GRAY

Potassium Phosphate Monobasic



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500g | Glass Bottle | BP362-500 |
| 1kg | Poly Bottle | BP362-1 |

White Crystals; ≥99.0%; Phosphoric Acid, Monopotassium
Salt, Potassium acid phosphate, Potassium biphosphate,
Potassium dihydrogen phosphate; KH_2PO_4 ; **F.W.** 136.09;
CAS [7778-77-0]; **Melting Point:** 252.6°C; **Density:** 2.34g/mL;
Recommended Storage: Room Temperature
pH: 4.1 to 4.5 (at 25°C); Soluble in water;
For molecular biology and cell culture applications.
Low metal ion content: ≤0.001%.

ChemAlert®
Storage Code
GRAY

L-Proline



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | BP392-100 |

White Crystals or Crystalline Powder; 98.5 to 101.0%; $C_5H_9NO_2$;
F.W. 115.13; **CAS** [147-85-3];
Melting Point: 228° to 233°C (442.4° to 451.4°F);
Density: 1.350g/mL; **Recommended Storage:** Room
Temperature

ChemAlert®
Storage Code
GRAY

n-Propanol

Sequencing Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|------------|
| 500mL | Glass Bottle | BP1130-500 |

≥99.5%; 1-Propanol; C_3H_8O ; $CH_3CH_2CH_2OH$;
F.W. 60.1; **CAS** [71-23-8];
Melting Point: -127°C (-197°F); **Flash Point:** 15°C;
Boiling Point: 97°C; **Density:** 2.07 (Air = 1);
DOT Class 3: Flammable Liquid; **UN:** 1274;
Recommended Storage: Room Temperature; Peroxide-free;
Solubility in water: miscible



ChemAlert®
Storage Code
RED

Protein Gel-Loading Dye for SDS-PAGE, 2X Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 5mL | Poly Bottle | BP637-5 |

Dark-Purple Liquid; **CAS** [7732-18-5, 56-81-5, 77-86-1, 151-21-3,
7647-01-0]; **Recommended Storage:** Room Temperature

ChemAlert®
Storage Code
GRAY

Puromycin Dihydrochloride



| Quantity | Packaging | Cat. No. |
|----------|--------------------|------------|
| 100mg | Clear Glass Bottle | BP2956-100 |

Dry, White or off-White Powder; >98%; $C_{22}H_{29}N_7O_5 \cdot 2HCl$;
F.W. 544.44; **CAS** [58-58-2];
Melting Point: 168° to 178°C (334.4° to 352.4°F)
Inhibits protein synthesis.

ChemAlert®
Storage Code
GRAY

Pyrocatechol Violet

Pure



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 25g | Glass Bottle | AC14654-0250 |

Pyrocatecholsulfonephthalein; $C_{19}H_{14}O_7S$; **F.W.** 386.36; CAS [115-41-3]; Solubility in water: soluble. Other solubilities: soluble in ethanol, 2-methoxyethanol

Rapamycin



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1mg | Clear Glass | BP2963-1 |

Dry, White or off-White Powder; >98%; $C_{51}H_{79}NO_{13}$; **F.W.** 914.2; CAS [53123-88-9]; **Melting Point:** 183° to 184°C; **Boiling Point:** 183° to 185°C (361.4° to 365°F); Possesses immunosuppressive properties. Blocks a protein that is involved in cell division. A type of serine/threonine kinase inhibitor.



Safranin O

Certified Biological Stain



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | S670-25 |
| 100g | Glass Bottle | S670-100 |

Basic Red 2; $C_{20}H_{19}ClN_4$; **F.W.** 350.85; CAS [477-73-6]; **C.I.** 50240; For use in histology, cytology, bacteriology (staining).



Safranin Solution



| Quantity | Packaging | Cat. No. |
|-----------|----------------|----------|
| 4 × 500mL | Plastic Bottle | 23750026 |

Individual replacement for the safranin component of the Gram Staining Set. Stains Gram-negative bacteria red. For in vitro diagnostic use. Prepared from dyes certified by the Biological Stain Commission (BSC). For use with the MIDAS™ III Automated Stainer.

Saline-Sodium Citrate

Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|-----------|
| 1L | Nalgene Poly Bottle | BP1325-1 |
| 4L | Poly CUBE | BP1325-4 |
| 20L | PolyPac™ | BP1325-20 |

SSC Buffer; CAS [6132-04-3, 68-04-2, 7647-14-5, 7732-18-5]; **Recommended Storage:** Room Temperature; 2.9 to 3.1M; Filtered through a 2-5 micron filter.; 20X Solution; **pH:** 6.9 to 7.1 (at 23°C)



Saline-Sodium Phosphate-EDTA



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 1L | Nalgene Poly Bottle | BP1328-1 |

SSPE Buffer; CAS [7647-14-5, 7558-80-7, 60-00-4, 7732-18-5]; **Recommended Storage:** Room Temperature; 2.9 to 3.1M; Filtered through a 2-5 micron filter.; 20X Solution; **pH:** 7.3 to 7.5 (at 23°C); 0.2M NaH_2PO_4 , 3.0M NaCl, and 0.02M EDTA.



Sarkosyl



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | BP234-500 |

>95%; Sodium Lauroyl Sarcosinate; $C_{15}H_{26}O_3NNa$; $NaO_2CCH_2N(CH_3)CO(CH_2)_{10}CH_3$; **F.W.** 293.38; CAS [137-16-6]; **Melting Point:** 45° to 47°C (113° to 117°F); **Recommended Storage:** Room Temperature; **pH:** 7.5 to 8.5 (10% solution); Soluble in water



Schiff Reagent Solution



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 500mL | Amber Glass Bottle | SS32-500 |

CAS [632-99-5, 7681-57-4, 7647-01-0, 7732-18-5]; **Density:** 0.7g/mL; **DOT Class 8:** Corrosive; **UN:** 1789; Modified; For detection of aldehydes.



L-Serine



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | BP393-100 |

White Crystals or Crystalline Powder; 98.5 to 101.0%; $C_3H_7NO_3$; **F.W.** 105.05; CAS [56-45-1]; **Melting Point:** 222°C; **Recommended Storage:** Room Temperature; This amino acid is suitable for use in tissue culture systems requiring additives.



Silver Nitrate

Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|------------|
| 100g | Glass Bottle | BP2546-100 |

Crystalline; >99.7%; Nitric acid silver(I) salt; $AgNO_3$; **F.W.** 169.87; CAS [7761-88-8]; **Melting Point:** 212°C (413.6°F); **Boiling Point:** 433°C; **Density:** 4.35g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1493; **Recommended Storage:** Room Temperature For silver staining.



Sodium Acetate Trihydrate



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | BP334-500 |
| 1kg | Poly Bottle | BP334-1 |

Colorless to white crystals; $C_2H_3O_2Na \cdot 3H_2O$; $CH_3COONa \cdot 3H_2O$; **F.W.** 136.08; CAS [6131-90-4]; **Recommended Storage:** Room Temperature; **pH:** 7.5 to 9.2 (at 25°C)



Sodium Azide



| Quantity | Packaging | Cat. No. |
|----------|-------------------------|------------|
| 500g | Poly Bottle/Poison Pack | BP9221-500 |

White granular powder; NaN_3 ; **F.W.** 65.01; CAS [26628-22-8]; **DOT Class 6.1:** Poison; **UN:** 1687; **Recommended Storage:** Room Temperature



Sodium Bicarbonate



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | BP328-500 |
| 1kg | Poly Bottle | BP328-1 |

Fine white powder; Sodium Hydrogen Carbonate; $NaHCO_3$; **F.W.** 84.01; CAS [144-55-8]; **Recommended Storage:** Room Temperature



Sodium Bicarbonate



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500g | Poly Bottle | BP333-500 |
| 1kg | Glass Bottle | BP333-1 |

White Crystals or Granules; ≥99.0%; C₂H₃O₂Na; CH₃COONa; **F.W.** 82.03; CAS [127-09-3]; **Melting Point:** 324°C; **Flash Point:** 250°C;

Recommended Storage: Room Temperature; **pH:** 7.0 to 9.2 (at 25°C);



Sodium Dodecyl Sulfate

Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|------------|
| 200mL | Poly Bottle | BP2436-200 |
| 1L | Nalgene Poly Bottle | BP2436-1 |

≥99%; C₁₂H₂₅O₂SNa; CH₃(CH₂)₁₀CH₂OSO₃Na; **F.W.** 288.38; CAS [151-21-3, 7732-18-5]; **Melting Point:** >0°C; **Recommended Storage:** Room Temperature; 9.5 to 10.5%; Filtered through a 0.2-micron filter; 10% Solution



Sodium Carbonate



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1kg | Poly Bottle | BP357-1 |

White Crystalline Powder; ≥99.5%; Disodium Carbonate, Soda Ash; CNa₂O₃; **F.W.** 105.99; CAS [497-19-8]; **Melting Point:** 851°C; **Boiling Point:** 1600°C; **Density:** 2.53g/mL; **Recommended Storage:** Room Temperature Solubility in water: partially soluble



Sodium Dodecyl Sulfate

Electrophoresis/Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|------------|
| 200mL | Poly Bottle | BP1311-200 |
| 1L | Nalgene Poly Bottle | BP1311-1 |

Clear colorless liquid; DNase-, RNase- and Protease-Free; (as Fatty Alcohol Sulfate): ≥99%; Sodium lauryl sulfate, SDS; C₁₂H₂₅O₂SNa; CH₃(CH₂)₁₀CH₂OSO₃Na; **F.W.** 288.38; CAS [7732-18-5, 151-21-3]; **Melting Point:** >0°C; **Recommended Storage:** Room Temperature; 19.5 to 20.5%; Filtered through a 0.2-micron.; 20% Solution; Used as a detergent in protein purification and electrophoresis.



Sodium Chloride



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 1kg | Poly Bottle | BP358-1 |
| 2.5kg | Poly Bottle | BP358-212 |
| 10kg | Poly Pail | BP358-10 |

White crystals or crystalline powder; ≥99.0%; Salt; NaCl; **F.W.** 58.44; CAS [7647-14-5]; **Melting Point:** 801°C (1474°F); **Boiling Point:** 1461°C; **Density:** 2.17g/mL; **Recommended Storage:** Room Temperature Solubility in water: partially soluble; For electrophoresis and molecular biology buffers and media. Low metal ion content: ≤0.0005%.



Sodium Dodecyl Sulfate Micropellets

Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 10g | Poly Bottle | BP8200-10 |
| 100g | Poly Bottle | BP8200-100 |
| 500g | Poly Bottle | BP8200-500 |
| 5kg | Poly Pail | BP8200-5 |

MicroPellets; >99%; CAS [151-21-3]; **Recommended Storage:** Store at room temperature; Sodium Dodecyl Sulfate is the most commonly used detergent in protein purification and electrophoresis. High purity SDS micropellets >99.0% and free of additives. Tested for DNase, RNase, and Protease to ensure absence of these hydrolyzing enzymes. Ease of mixing with acrylamide and tris glycine buffer to make ready to pour SDS buffer solution. Components: Sodium Lauryl Sulfate



Sodium Citrate Dihydrate



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | BP327-500 |
| 1kg | Poly Bottle | BP327-1 |

Small, Colorless Granules; 99.0 to 101.0%; C₆H₅Na₃O₇·2H₂O; **F.W.** 294.09; CAS [6132-04-3, 68-04-2]; **Melting Point:** 300°C (572°F); **Recommended Storage:** Room Temperature; **pH:** 7.0 to 9.0 (at 25°C); Soluble in water



Sodium Dodecyl Sulfate

Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | BP166-100 |
| 500g | Poly Bottle | BP166-500 |
| 5kg | Poly Pail | BP166-5 |

White Powder; DNase- and RNase-Free; (as Fatty Alcohol Sulfate) ≥99%; Sodium Lauryl Sulfate, SDS; C₁₂H₂₅NaO₂S; CH₃(CH₂)₁₀CH₂OSO₃Na; **F.W.** 288.38; CAS [151-21-3, 7647-14-5, 7757-82-6]; **Melting Point:** 206°C; **Flash Point:** 100°C; **Recommended Storage:** Room Temperature; Off-White

For protein extraction procedures and SDS polyacrylamide gels.



Sodium Hydroxide



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | BP359-500 |
| 2.5kg | Poly Bottle | BP359-212 |

White Pellets; ≥98%; NaOH; **F.W.** 40.00; CAS [1310-73-2]; **DOT Class 8:** Corrosive; **UN:** 1823; **Recommended Storage:** Room Temperature



Sodium Persulfate



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1kg | Poly Bottle | BP2637-1 |

White Crystalline Powder; ≥98.0%; Sodium Peroxydisulfate; Na₂O₈S₂; **F.W.** 238.09; CAS [7775-27-1]; **Melting Point:** 100°C (212°F); **Density:** 2.6g/mL; **DOT Class 5.1:** Oxidizer; **UN:** 1505; **Recommended Storage:** Room Temperature



Sodium Phosphate Dibasic, Anhydrous

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------|-----------|
| | 500g | Glass Bottle | BP332-500 |
| | 1kg | Poly Bottle | BP332-1 |

White Powder or Granules; ≥99.0%; Disodium Hydrogen Phosphate; Na₂HPO₄; **F.W.** 141.96; CAS [7558-79-4]; **Melting Point:** 47.78°C; **Density:** 1.67g/mL; **Recommended Storage:** Room Temperature; **pH:** 8.7 to 9.3 (at 25°C); Solubility Information: Slightly soluble in water; For tissue culture and molecular biology applications. Low metal ion content: ≤0.001%.

ChemAlert®
Storage Code
GRAY

Sodium Phosphate Dibasic Heptahydrate

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------|-----------|
| | 500g | Glass Bottle | BP331-500 |
| | 1kg | Poly Bottle | BP331-1 |

Colorless to White Crystals; 98.0 to 102.0%; Disodium Hydrogen Phosphate; HNa₂O₄·7H₂O; **F.W.** 268.07; CAS [7782-85-6]; **Melting Point:** 48°C; **Recommended Storage:** Room Temperature; **pH:** 8.7 to 9.3 (at 25°C)

ChemAlert®
Storage Code
GRAY

Sodium Phosphate Monobasic, Anhydrous

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------|-----------|
| | 500g | Glass Bottle | BP329-500 |
| | 1kg | Poly Bottle | BP329-1 |

Colorless to White Crystals; ≥99%; Sodium Dihydrogen Phosphate; NaH₂PO₄; **F.W.** 119.98; CAS [7558-80-7]; **Melting Point:** 100°C (212°F); **Boiling Point:** 203.9°C; **Density:** 2.04g/mL; **Recommended Storage:** Room Temperature; **pH:** 4.0 to 6.0 (1M solution) For tissue culture and molecular biology applications.

ChemAlert®
Storage Code
GRAY

Sodium Phosphate Monobasic Monohydrate

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------------|-----------|
| | 500g | Amber Glass Bottle | BP330-500 |
| | 1kg | Amber Glass Bottle | BP330-1 |

Colorless to white crystals; Sodium Dihydrogen Phosphate; NaH₂PO₄·H₂O; **F.W.** 137.99; CAS [10049-21-5]; **Recommended Storage:** Room Temperature; **pH:** 4.1 to 4.5 (at 25°C)

ChemAlert®
Storage Code
GRAY

Sodium Pyruvate

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------|-----------|
| | 100g | Glass Bottle | BP356-100 |

White Powder; ≥99%; Pyruvic Acid, Sodium Salt; C₃H₃NaO₃; CH₃COCO₂Na; **F.W.** 110.04; CAS [113-24-6]; **Melting Point:** 300°C (572°F); **Recommended Storage:** Room Temperature

ChemAlert®
Storage Code
GRAY

Sodium Sulfate, Anhydrous

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------|-----------|
| | 500g | Glass Bottle | BP354-500 |

White Granules; ≥99.0%; Disodium Sulfate, Sulfuric Acid, Disodium Salt; Na₂O₃S; **F.W.** 142.04; CAS [7757-82-6]; **Melting Point:** 884° to 888°C (1623.2° to 1630.4°F); **Recommended Storage:** Room Temperature; **pH:** 5.2 to 9.2 (at 25°C); Soluble in water

ChemAlert®
Storage Code
GRAY

Sodium Sulfite, Anhydrous

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------------|-----------|
| | 500g | Amber Glass Bottle | BP355-500 |

White crystals or crystalline powder; Disodium Sulfite, Sulfurous Acid, Disodium Salt; Na₂SO₃; **F.W.** 126.04; CAS [7757-83-7]; **Recommended Storage:** Room Temperature

ChemAlert®
Storage Code
GRAY

Sodium Tartrate Dihydrate

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------|-----------|
| | 500g | Glass Bottle | BP352-500 |

Colorless Crystalline; Disodium Tartrate, Dihydrate; C₄H₄Na₂O₆·2H₂O; **F.W.** 230.08; CAS [6106-24-7, 868-18-8]; **Recommended Storage:** Room Temperature; **pH:** 7.0 to 9.0 (5% solution at 25°C)

ChemAlert®
Storage Code
GRAY

Solution I



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 4L | Plastic Bottle | 23750013 |

Hematology Stain; CAS [67-56-1]

Sorbitol

| F | Quantity | Packaging | Cat. No. |
|---|----------|-------------|-----------|
| | 500g | Poly Bottle | BP439-500 |

91.0 to 100.5%; C₆H₁₄O₆; **F.W.** 182.17; CAS [50-70-4]; **Melting Point:** 75°C; **Boiling Point:** 295°C; **Density:** 1.489g/mL; **Recommended Storage:** Room Temperature

ChemAlert®
Storage Code
GRAY

Spectinomycin Dihydrochloride

| F | Quantity | Packaging | Cat. No. |
|---|----------|--------------------|----------|
| | 1g | Amber Glass Bottle | BP2957-1 |

Dry, White or Almost White Powder; C₁₄H₂₄N₂O₇·2HCl·5H₂O; **F.W.** 495.3; CAS [22189-32-8]; **Melting Point:** 210°C; **pH:** 3.8 to 5.6 (at 25°C); Inhibits protein synthesis.

ChemAlert®
Storage Code
GRAY

Staurosporine

| F | Quantity | Packaging | Cat. No. |
|---|----------|-----------------|------------|
| | 100µg | Poly Micro Tube | BP2541-100 |
| | 500µg | Poly Micro Tube | BP2541-500 |

>98.0%; C₂₈H₂₆N₄O₃; **F.W.** 466.5; CAS [62996-74-1]; **Recommended Storage:** 4°C, protect from light. *Streptomyces sp.*; Not on TSCA inventory; for R and D use only; not for manufacturing or commercial purposes.

ChemAlert®
Storage Code
GRAY

Streptomycin Sulfate

| F | Quantity | Packaging | Cat. No. |
|---|----------|-------------|----------|
| | 50g | Poly Bottle | BP910-50 |

White to Light Yellow Powder; C₄₂H₇₈N₁₁O₂₃·3H₂SO₄; (C₂₁H₃₉N₇O₁₂)₂·3H₂SO₄; **F.W.** 1457.58; CAS [3810-74-0]; **Recommended Storage:** 4°C; **pH:** 4.5 to 7.0; (20% solution); Soluble in water; Not for drug use.

ChemAlert®
Storage Code
GRAY

D-Sucrose Molecular Biology Grade

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 1kg | Poly Bottle | BP220-1 |
| 2.5kg | Glass Bottle | BP220-212 |
| 10kg | Poly Pail | BP220-10 |

White Powder; DNase-, RNase- and Protease-Free; $\geq 99.9\%$;
 $C_{12}H_{22}O_{11}$; **F.W.** 342.29; CAS [57-50-1];
Melting Point: 190° to 192°C (374° to 377.6°F);
Recommended Storage: Room Temperature

ChemAlert®
Storage Code
GRAY

Sucrose Gel-Loading Dye for DNA Gels Electrophoresis Grade

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 5mL | Poly Bottle | BP655-5 |

CAS [7732-18-5, 57-50-1];
Recommended Storage: Room Temperature; 5X;
 Components: Sucrose (40%), Proprietary Component (<3%),
 and Water.

ChemAlert®
Storage Code
GRAY

TBE Buffer Mix Electrophoresis Grade

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 86.1g | Poly Bottle | BP1396-86 |

Dry Powder; Tris-Boric Acid-EDTA Buffer Mix;
 CAS [77-86-1 (Tris), 6381-92-6 (EDTA), 10043-35-3 (Boric
 Acid)]; **pH:** 8.1 to 8.5 (at 25°C);
 Makes 1 liter of 5X buffer. Final concentration of components
 in 1X buffer: 0.089M Tris, 0.089M Boric Acid, 0.002M EDTA.

ChemAlert®
Storage Code
GRAY

TEMED Electrophoresis Grade

F

| Quantity | Packaging | Cat. No. |
|--------------|--------------------|-----------|
| 26mL (20g) | Amber Glass Bottle | BP150-20 |
| 130mL (100g) | Amber Glass Bottle | BP150-100 |

Clear colorless liquid; DNase-, RNase- and Protease-Free;
 $\geq 97\%$ (by titration); N,N,N',N'-Tetramethylethylenediamine;
 $C_6H_{16}N_2$; $(CH_2)_2NCH_2CH_2N(CH_2)_2$; **F.W.** 116.21; CAS [110-18-9];
Melting Point: -55.00°C; **Flash Point:** 17°C (62.6°F);
Boiling Point: 121.11°C; **Density:** 0.775g/mL;
DOT Class 3: Flammable Liquid; **UN:** 2372;
Recommended Storage: Room Temperature; For polymerization of
 acrylamide/bis-acrylamide.

ChemAlert®
Storage Code
RED

Terrific Broth

F

| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 5kg | Poly Pail | BP9729-5 |

Solid; CAS [8013-01-2, 91079-40-2, 7758-11-4, 7778-77-0];
Recommended Storage: Keep containers tightly closed in a dry, cool
 and well-ventilated place.

Terrific Broth

F

| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 5kg | Poly Pail | BP9728-5 |

Solid; CAS [8013-01-2, 91079-40-2, 7758-11-4, 7778-77-0];
Recommended Storage: Keep containers tightly closed in a dry, cool
 and well-ventilated place.

TES

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | BP309-100 |

White Crystals; $\geq 98\%$;
 N-Tris(hydroxymethyl)methyl-2-aminoethanesulfonic Acid;
 $C_8H_{15}NO_6$; **F.W.** 229.25; CAS [7365-44-8];
Melting Point: 223° to 225°C (433.4° to 437°F);
Density: 1.55g/mL; **Recommended Storage:** Room Temperature

ChemAlert®
Storage Code
GRAY

Tetracycline Hydrochloride

F

| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100g | Poly Bottle | BP912-100 |

Yellow Powder; $C_{22}H_{24}N_2O_8 \cdot HCl$; **F.W.** 480.9; CAS [64-75-5];
Melting Point: 223°C;
Recommended Storage: Room Temperature;
pH: 1.8 to 2.8 (1% Solution); Solubility in water: slight;
 Shelf Life: 3 years. Not for drug use.

ChemAlert®
Storage Code
GRAY

Thiamine Hydrochloride

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | BP892-100 |

White Powder; $\geq 98\%$; Vitamin B₁ Hydrochloride;
 $C_{12}H_{17}NH_4OSCl \cdot HCl$; **F.W.** 300.66; CAS [67-03-8];
Melting Point: 260°C; **Density:** 1.4g/mL;
Recommended Storage: Room Temperature
 Not for human use.

ChemAlert®
Storage Code
GRAY

L-Threonine

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | BP394-100 |

White Crystals or Crystalline Powder; 99.0 to 101.0%;
 $C_4H_9NO_3$; **F.W.** 119.12; CAS [72-19-5]; **Melting Point:** 255°C;
Recommended Storage: Room Temperature
 This material is certified for Arsenic not more than 1ppm.

ChemAlert®
Storage Code
GRAY

Thymol Blue Certified ACS

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 5g | Glass Bottle | T416-5 |

Thymolsulfonephthalein; $C_{27}H_{36}O_6S$; **F.W.** 466.6; CAS [76-61-9];
Melting Point: 222.78°C; pH Indicator.

ChemAlert®
Storage Code
GRAY

Thyodene™ Indicator

F

| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 100g | Glass Bottle | T138-100 |
| 500g | Poly Bottle | T138-500 |

Starch, Soluble; $C_6H_{10}O_5 \cdot X$; CAS [9005-84-9]; **Density:** 1.04g/mL;
 A stable, soluble indicator for iodometry.

ChemAlert®
Storage Code
GRAY

TissuePrep™ 2 Micron Certified

F

| Quantity | Packaging | Cat. No. |
|---------------|-----------|----------|
| 4.5 lb. (2kg) | Carton | T555-2 |

CAS [64742-43-4, 9017-27-0]; **Melting Point:** 53° to 57°C;
Flash Point: 198.9°C (390.02°F); **Boiling Point:** 322°C;
Density: 0.9g/mL; Solubility in water: insoluble;
 A superior embedding compound for 2 micron sectioning.
 Purity is guaranteed to meet published maximum limits of impurities.

ChemAlert®
Storage Code
GRAY

TissuePrep™ Embedding Media Certified



| Quantity | Packaging | Cat. No. |
|---------------|-----------|----------|
| 5 lb. (2.3kg) | Carton | T56-5 |

Paraffin Wax; CAS [8002-74-2]; **Flash Point:** 198.9°C (390.02°F); Solubility in water: insoluble; Paraffin wax. Purity is guaranteed to meet published maximum limits of impurities.



Tobramycin



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 5g | Glass Bottle | AC45543-0050 |

97%; C₁₈H₃₇N₅O₉; **F.W.** 467.52; CAS [32986-56-4]

Toluidine Blue O Certified Biological Stain



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 25g | Glass Bottle | T161-25 |

Basic Blue 17, Tolonium Chloride; C₁₅H₁₆N₃SCl; **F.W.** 305.83; CAS [92-31-9]; **C.I.** 52040 Soluble in water; For use in histology.



D-(+)-Trehalose, Dihydrate



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 10g | Poly Bottle | BP2687-10 |
| 25g | Poly Bottle | BP2687-25 |
| 100g | Poly Bottle | BP2687-100 |
| 1kg | Poly Bottle | BP268-71 |

White Powder; ≥98%; C₁₂H₂₂O₁₁H₄O₂; **F.W.** 378.33; CAS [6138-23-4]; **Melting Point:** 97° to 99°C (206.6° to 210.2°F); **Recommended Storage:** Room Temperature Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.



Trichloroacetic Acid



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 250g | Glass Bottle | BP555-250 |
| 500g | Glass Bottle | BP555-500 |
| 1kg | Glass Bottle | BP555-1 |

Flakes or Crystals; ≥99.0%; Trichloroethanoic Acid, TCA; C₂HCl₃O₂; CCl₃COOH; **F.W.** 163.39; CAS [76-03-9]; **Melting Point:** 52° to 58°C (125.6° to 136.4°F); **Boiling Point:** 196°C; **Density:** 5.6 (Air = 1.0); **DOT Class 8:** Corrosive; **UN:** 1839; **Recommended Storage:** Room Temperature Soluble in water



Tricine



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 100g | Poly Bottle | BP315-100 |

White Crystals; ≥98%; N-[Tris-(hydroxymethyl)methyl]glycine; C₆H₁₃NO₅; (HOCH₂)₃CNHCH₂CO₂H; **F.W.** 179.09; CAS [5704-04-1]; **Melting Point:** 182° to 184°C (359.6° to 363.2°F); **Recommended Storage:** Room Temperature Soluble in water



Triethylamine Peptide Synthesis Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | BP616-500 |

≥99%; C₆H₁₅N; (C₂H₅)₃N; **F.W.** 101.19; CAS [121-44-8]; **Melting Point:** -115°C (-175°F); **Flash Point:** -11°C; **Boiling Point:** 89° to 90°C; **Density:** 3.5 (Air = 1.0); **Recommended Storage:** Room Temperature; **Refractive Index:** 1.397 to 1.403 Solubility in water: slight



Trifluoroacetic Acid Peptide Synthesis Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------------|-----------|
| 500mL | Amber Glass Bottle | BP618-500 |

Clear colorless liquid; ≥99.5%; TFA, Perfluoroacetic Acid, Trifluoroethanoic Acid; C₂HF₃O₂; CF₃COOH; **F.W.** 114.02; CAS [76-05-1]; **Melting Point:** -15°C (5°F); **Boiling Point:** 72°C; **Density:** 3.9 (Air = 1.0); Solubility in water: miscible; For peptide synthesis and sequencing protocols.



Tris Base Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | BP152-500 |
| 1kg | Poly Bottle | BP152-1 |
| 5kg | Poly Pail | BP152-5 |
| 10kg | Poly Pail | BP152-10 |
| 25kg | Fiber Drum | BP152-25 |

White Crystals or Crystalline Powder; DNase-, RNase- and Protease-Free; ≥99.8%; Trimethylol Aminomethane, Tris(hydroxymethyl)aminomethane; (CH₂OH)₃CNH₂; H₂NC(CH₂OH)₃; **F.W.** 121.14; CAS [77-86-1]; **Melting Point:** 171.2° to 172.3°C; **Boiling Point:** 219° to 220°C at 10 mmHg; **Recommended Storage:** Room Temperature; White; **pH:** 10.3 to 10.5 (0.5 Molar) For molecular biology, tissue culture, and electrophoresis procedures.



Tris Base



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 1kg | Poly Bottle | BP154-1 |

White Crystals or Crystalline Powder; DNase-, RNase- and Protease-Free; ≥99.9%; Trimethylol Aminomethane, Tris(hydroxymethyl)aminomethane; C₆H₁₁NO₅; H₂NC(CH₂OH)₃; **F.W.** 121.14; CAS [77-86-1]; **Melting Point:** 168.5°C; **Boiling Point:** 219° to 220°C at 10 mmHg; **Recommended Storage:** Room Temperature; Alcohol-Free; **pH:** 10.3 to 10.5 (0.5 Molar) For sensitive molecular biology, tissue culture, and electrophoresis methods.



Tris Buffered Saline Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|------------|
| 100mL | Poly Bottle | BP2471-100 |
| 500mL | Poly Bottle | BP2471-500 |
| 1L | Nalgene Poly Bottle | BP2471-1 |

Clear colorless liquid; DNase-, RNase- and Protease-Free; TBS; CAS [7447-40-7, 7647-01-0, 7647-14-5, 77-86-1, 7732-18-5]; **Recommended Storage:** Room Temperature; 10X Solution; **pH:** 7.3 to 7.5 (1X solution)
For biochemical and molecular biology applications.
The 10X TBS solution is diluted to produce a 1X working solution: 0.137M Sodium Chloride, 0.0027M Potassium Chloride, and 0.025M Tris-HCl.
0.2mm filtered, Autoclaved



Tris Hydrochloride Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | BP153-500 |
| 1kg | Poly Bottle | BP153-1 |

Small White Flakes; DNase-, RNase- and Protease-Free; ≥99%; Tris(hydroxymethyl)aminomethane Hydrochloride; C₄H₁₁NO₃·HCl; H₂NC(CH₂OH)₃·HCl; **F.W.** 157.6; CAS [1185-53-1]; **Melting Point:** 150° to 153°C (302° to 307.4°F); **Recommended Storage:** Keep in a dry, cool and well-ventilated place. Keep container tightly closed.
For electrophoresis, molecular biology, and cell culture applications.



Tris Hydrochloride Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 500mL | Poly Bottle | BP1756-500 |

High Purity, Low Metal; DNase-, RNase- and Protease-Free; Tris-HCl; CAS [77-86-1, 1185-53-1, 7732-18-5]; **Recommended Storage:** Room Temperature; 0.96 to 1.04M; Filtered through a 0.2-micron filter.; 1M Solution, **pH:** 7.0
For molecular biology, tissue culture, and electrophoresis procedures.



Tris Hydrochloride Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 100mL | Poly Bottle | BP1758-100 |
| 500mL | Poly Bottle | BP1758-500 |

High Purity, Low Metal; DNase-, RNase- and Protease-Free; Tris-HCl; CAS [77-86-1, 1185-53-1, 7732-18-5]; **Recommended Storage:** Room Temperature; 0.96 to 1.04M; Filtered through a 0.2-micron filter.; 1M Solution, **pH:** 8.0;
For molecular biology, tissue culture, and electrophoresis procedures.



TRIS Hydrochloride Ultrapure Bioreagent



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 5kg | Poly Pail | 02004521 |

NH₂C(CH₂OH)₃·HCl; **F.W.** 157.6; CAS [1185-53-1]

TRIS Hydrochloride Biotech Reagent Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|----------|
| 500g | Poly Bottle | 02004520 |
| 2.5kg | Poly Bottle | 02004517 |

GMP Manufactured Product; NH₂C(CH₂OH)₃·HCl; **F.W.** 157.6; CAS [1185-53-1]; **Melting Point:** 147°C to 153°C; Made from Tromethamine USP

Tris Hydrochloride Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 100mL | Poly Bottle | BP1757-100 |
| 500mL | Poly Bottle | BP1757-500 |

High Purity, Low Metal; DNase-, RNase- and Protease-Free; Tris-HCl; CAS [77-86-1, 1185-53-1, 7732-18-5]; **Recommended Storage:** Room Temperature; 0.96 to 1.04M; Filtered through a 0.2-micron filter.; 1M Solution, **pH:** 7.5;
For molecular biology, tissue culture, and electrophoresis procedures.



Tris Hydrochloride Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|------------|
| 100mL | Poly Bottle | BP1758-100 |
| 500mL | Poly Bottle | BP1758-500 |

High Purity, Low Metal; DNase-, RNase- and Protease-Free; Tris-HCl; CAS [77-86-1, 1185-53-1, 7732-18-5]; **Recommended Storage:** Room Temperature; 0.96 to 1.04M; Filtered through a 0.2-micron filter.; 1M Solution, **pH:** 8.0;
For molecular biology, tissue culture, and electrophoresis procedures.



Tris SDS PAGE Running Buffer, FASTRun, 10X Protein Electrophoresis



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500mL | Poly Bottle | BP881-500 |
| 1L | Poly Bottle | BP881-1 |

Liquid; Denaturing Buffer, Electrophoresis Running Buffer, Protein Electrophoresis Buffer; CAS [151-21-3]; **pH:** 7.7 to 8.3 (1X/10X Solution at 25°C)



Tris-Acetate-EDTA Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|------------|
| 500mL | Poly Bottle | BP1335-500 |
| 1L | Nalgene Poly Bottle | BP1335-1 |
| 4L | Poly CUBE | BP1335-4 |
| 20L | Poly CUBE | BP1335-20 |

Clear colorless liquid; DNase-, RNase- and Protease-Free; TAE; CAS [64-19-7, 7732-18-5, 60-00-4, 77-86-1]; **Recommended Storage:** Room Temperature; Filtered through a 0.2-micron filter; 10X Solution; **pH:** 8.2 to 8.4 (1X solution)
For nucleic acid electrophoresis. Dilution of the concentrated TAE buffer produces a 1× TAE buffer with 40 mM Tris-acetate and 1 mM EDTA



Tris-Acetate-EDTA Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 20L | Poly CUBE | BP2434-20 |

CAS [77-86-1, 6850-28-8, 139-33-3, 10378-23-1, 7732-18-5]; **Recommended Storage:** Room Temperature; Filtered through a 0.2-micron filter. 1X Solution; **pH:** 8.2 to 8.4 (1X solution); Soluble in water 0.04M Tris-Acetate and 0.001M EDTA.



Tris-Acetate-EDTA Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 1L | Nalgene Poly Bottle | BP1330-1 |

CAS [60-00-4, 6850-28-8, 77-86-1, 7732-18-5];
Recommended Storage: Room Temperature;
 Filtered through a 0.2-micron filter; 25X Solution;
pH: 8.2 to 8.4 (1X solution);
 1M Tris-Acetate and 0.025M EDTA.



Tris-EDTA Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 1L | Nalgene Poly Bottle | BP1338-1 |

CAS [77-86-1, 60-00-4, 7732-18-5];
Recommended Storage: Room Temperature;
 Filtered through a 0.2-micron filter; 100X Solution;
pH: 7.9 to 8.1 (1X solution); Soluble in water;
 1.0M Tris Base and 0.1M EDTA.



Tris-Acetate-EDTA Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|------------|
| 500mL | Poly Bottle | BP1332-500 |
| 1L | Nalgene Poly Bottle | BP1332-1 |
| 4L | Poly CUBE | BP1332-4 |
| 20L | Poly CUBE | BP1332-20 |

Clear colorless liquid; DNase-, RNase- and Protease-Free;
 TAE; CAS [7732-18-5, 77-86-1, 60-00-4, 6850-28-8];
Recommended Storage: Room Temperature;
 Filtered through a 0.2-micron filter.; 50X Solution;
pH: 8.2 to 8.4 (at 25°C);
 For nucleic acid electrophoresis.



Dilution of the concentrated TAE buffer produces a 1x TAE buffer with 40mM Tris-acetate and 1mM EDTA

Tris-EDTA Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|------------|
| 100mL | Poly Bottle | BP2476-100 |
| 1L | Nalgene Poly Bottle | BP2476-1 |

TE; CAS [77-86-1, 60-00-4, 7647-01-0, 7732-18-5];
Recommended Storage: Room Temperature;
 Filtered through a 5-micron filter. 1X Solution, **pH:** 7.3 to 7.5
 (1X solution); 10mM Tris and 1mM EDTA.



Tris-Borate-EDTA Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 1 Pack | Foil Pack | BP1334-1 |

CAS [77-86-1, 10043-35-3, 60-00-4];
Recommended Storage: Room Temperature; 10X Powder;
 8.2 to 8.4 (1X solution);
 Each pack contains preweighed powder to make 1L of a 10X
 solution (0.89M Tris Base, 0.89M Boric Acid, and 0.02M EDTA).



Tris-EDTA Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|------------|
| 100mL | Poly Bottle | BP2473-100 |
| 500mL | Poly Bottle | BP2473-500 |
| 1L | Nalgene Poly Bottle | BP2473-1 |

TE; CAS [77-86-1, 6381-92-6, 7647-01-0, 7732-18-5];
Recommended Storage: Room Temperature;
 Filtered through a 5-micron filter. 1X Solution,
pH: 7.9 to 8.1 (1X solution); 10mM Tris and 1mM EDTA.



Tris-Borate-EDTA Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|-----------|
| 1L | Nalgene Poly Bottle | BP1333-1 |
| 4L | Poly CUBE | BP1333-4 |
| 20L | Poly CUBE | BP1333-20 |

Clear colorless liquid; DNase-, RNase- and Protease-Free;
 TBE; CAS [10043-35-3, 60-00-4, 77-86-1, 7732-18-5];

Recommended Storage: Room Temperature;
 Filtered through a 0.2-micron filter.; 10X Solution;
pH: 8.2 to 8.4 (at 25°C); For nucleic acid electrophoresis.



Dilution of the TBE stock concentrate to a 1x TBE running buffer results
 in a buffer containing 89mM Tris-borate and 2mM EDTA

Tris-Glycine Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 1 Pack | Foil Pack | BP1307-1 |

CAS [77-86-1, 56-40-6];
Recommended Storage: Room Temperature; 10X Powder;
pH: 8.3 to 8.5 (at 25°C);
 Each pack contains preweighed powder to make 1L of a 10X
 solution (0.25M Tris Base and 1.92M Glycine).



Tris-Glycine Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 1L | Nalgene Poly Bottle | BP1306-1 |
| 4L | Poly CUBE | BP1306-4 |

Clear colorless liquid; DNase-, RNase- and Protease-Free;
 TG; CAS [7732-18-5, 77-86-1, 56-40-6];

Recommended Storage: Room Temperature
 Filtered through a 0.2-micron filter.; 10X Solution;
pH: 8.3 to 8.5 (at 25°C)



Used as a buffer in native polyacrylamide gel electrophoresis.
 The 10X Tris-glycine buffer is diluted to 1X with methanol and water
 to make a solution containing 25mM Tris, 192mM glycine, and 20%
 methanol.

Tris-Borate-EDTA Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|-----------|
| 1L | Nalgene Poly Bottle | BP2430-1 |
| 4L | Poly CUBE | BP2430-4 |
| 20L | Poly CUBE | BP2430-20 |

CAS [77-86-1, 6381-92-6, 10043-35-3, 7732-18-5];

Melting Point: >0°C;

Recommended Storage: Room Temperature;
 Filtered through a 0.2-micron filter.; 1X Solution;

pH: 8.2 to 8.4 (at 25°C); 0.089M Tris Base, 0.089M Boric Acid, and
 0.002M EDTA.



Tris-Glycine-SDS Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 1 Pack | Foil Pack | BP1342-1 |

CAS [77-86-1, 56-40-6, 151-21-3];

Recommended Storage: Room Temperature; 10X Powder;
pH: 8.3 to 8.5 (at 25°C);



Tris-Glycine-SDS is commonly used as a buffer in SDS-PAGE.

Each pack contains preweighed powder to make 1L of a 10X solution
 (0.25M Tris Base, 1.92M Glycine, and 1.0% w/v SDS).

Tris-Glycine-SDS Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 1L | Nalgene Poly Bottle | BP1341-1 |
| 4L | Poly CUBE | BP1341-4 |

Clear colorless liquid; DNase-, RNase- and Protease-Free; TG-SDS; CAS [77-86-1, 7732-18-5, 56-40-6, 151-21-3];

Recommended Storage: Room Temperature;

Filtered through a 0.2-micron filter.; 10X Solution;

For SDS-PAGE of proteins.

Dilution of the 10X TGS buffer produces a 1X running buffer containing 25mM Tris, 192mM glycine and 0.1% SDS, pH: approx. 8.4.



Tween™ 20



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100mL | Glass Bottle | BP337-100 |
| 500mL | Glass Bottle | BP337-500 |

Viscous, Colorless Liquid; Polysorbate 20, Polyoxyethylene-20-sorbitan Monolaurate, Polyoxyethylenesorbitan monolaurate; C₅₈H₁₁₄O₂₆; F.W. 1227.54; CAS [9005-64-5];

Flash Point: 150°C; **Density:** 1.11g/mL;

Recommended Storage: Room Temperature Non-ionic detergent.



Triton™ X-100 Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100mL | Glass Bottle | BP151-100 |
| 500mL | Glass Bottle | BP151-500 |

Clear colorless liquid; Polyethylene Glycol p-tert-Octylphenyl

Ether; 4-(C₈H₁₇) C₆H₄ (OCH₂CH₂)_n OH (n~10); F.W. 646.86;

CAS [9002-93-1]; **Melting Point:** 6°C; **Flash Point:** 274°C;

Boiling Point: 270°C; **Density:** 7.11 (Air = 1.0);

Recommended Storage: Room Temperature; pH: 6 to 8 (at 25°C);

Shelf Life: Two years; Soluble in water;

For solubilization and permeabilization of membranes.



Tween™ 80



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 500mL | Glass Bottle | BP338-500 |

Viscous, Yellow Liquid; Polysorbate 80, Polyoxyethylene-20-sorbitan Monooleate; CAS [9005-65-6];

Flash Point: 110°C; **Density:** >1.0;

Recommended Storage: Room Temperature; Solubility in water: partially soluble;

Non-ionic detergent for selective protein extraction.



Triton X-100



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 500mL | Glass Bottle | MTX15681 |
| 4L | Glass Bottle | MTX15683 |

Liquid; Octylphenol Decaethylene Glycol Ether; C₂₄H₄₂O₁₁; F.W. 646.86;

Flash Point: >109.9°C (229.8°F);

Recommended Storage: Room Temperature; Clear; Surfactant;

Soluble



Urea

Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|-------------|-----------|
| 500g | Poly Bottle | BP169-500 |
| 2.5kg | Poly Bottle | BP169-212 |
| 10kg | Poly Pail | BP169-10 |

Colorless to white crystals or crystalline powder;

DNase-, RNase- and Protease-Free; ≥99%; CH₄N₂O;

NH₂CONH₂; F.W. 60.06; CAS [57-13-6];

Melting Point: 131° to 135°C; **Density:** 1.335g/mL;

Recommended Storage: Room Temperature



Triton X-100

Afa Aesar

| Quantity | Packaging | Cat. No. |
|----------|-----------|------------|
| 500mL | ---- | AAA16046AP |

CAS [9002-93-1]; **Flash Point:** 251°C; **Boiling Point:** >250°C;

Density: 1.070g/mL; **Refractive Index:** 1.4900

Tryptone



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 5kg | Poly Pail | BP9726-5 |

Solid; CAS [91079-40-2]; **Recommended Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place.

L-Tryptophan



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | BP395-100 |

White Crystals or Crystalline Powder; 98.5 to 100.5%;

C₁₁H₁₂N₂O₂; F.W. 204.23; CAS [73-22-3];

Melting Point: 280° to 285°C;

Recommended Storage: Room Temperature



L-Valine



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 100g | Glass Bottle | BP397-100 |

White crystals or crystalline powder; 98.5 to 100.5%; C₅H₁₁NO₂;

F.W. 117.08; CAS [72-18-4]; **Melting Point:** 315°C;

Density: 1.23g/mL; **Recommended Storage:** Room

Temperature



Vancomycin Hydrochloride



| Quantity | Packaging | Cat. No. |
|----------|--------------------|----------|
| 1g | Amber Glass Bottle | BP2958-1 |

Dry, White to Light Orange Powder; C₆₆H₇₅Cl₂N₉O₂₄·HCl;

F.W. 1485.73; CAS [1404-93-9]; Solubility in water: slight;

Inhibits formation of peptidoglycan polymers of bacterial cell wall.



Water

Biotech Grade



| Quantity | Packaging | Cat. No. |
|----------|-----------|-----------|
| 4L | Poly CUBE | BP2485-4 |
| 20L | Poly CUBE | BP2485-20 |

Clear colorless liquid; H₂O; F.W. 18.02; CAS [7732-18-5];

Melting Point: 0°C (32°F); **Boiling Point:** 100°C;

Density: 1g/mL; Filtered through a 0.2-micron filter.;

pH: 5.4 to 7.0 (at 25°C);

For several biological test procedures.

Low metal ion content: <0.01ppm



Water DNA Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 1L | Nalgene Poly Bottle | BP24701 |

F.W. 18.02; CAS [7732-18-5];
Filtered through a 0.2-micron filter and autoclaved;
For DNA Work, DNase, Protease free; **pH:** 5.4 to 7.0 (at 25°C)



Water Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|------------|
| 100mL | Poly Bottle | BP2819-100 |
| 1L | Nalgene Poly Bottle | BP2819-1 |
| 4L | Poly CUBE | BP2819-4 |
| 10L | Poly CUBE | BP2819-10 |
| 20L | Poly CUBE | BP2819-20 |

Clear colorless liquid; DNase-, RNase- and Protease-Free;
H₂O; **F.W.** 18.02; CAS [7732-18-5]; **Melting Point:** 0°C (32°F);
Boiling Point: 100°C; **Density:** 1.000g/mL;
Filtered through a 0.03µm filter; **pH:** 5.4 to 7.0 (at 25°C)
For many fundamental molecular biology procedures.



Water



| Quantity | Packaging | Cat. No. |
|----------|---------------------|------------|
| 50mL | Nalgene Poly Bottle | BP2484-50 |
| 100mL | Poly Bottle | BP2484-100 |

F.W. 18.02; CAS [7732-18-5];
Filtered through a 0.2-micron filter.;
DNase-, RNase-free; DEPC-treated and autoclaved.



Water Molecular Biology Grade



| Quantity | Packaging | Cat. No. |
|----------|---------------------|----------|
| 1L | Nalgene Poly Bottle | BP561-1 |

F.W. 18.02; CAS [7732-18-5];
Filtered through a 0.2-micron filter.;
For RNA Work, DEPC-treated and DNase-, RNase-free;
DEPC-treated and autoclaved.



Water



| Quantity | Packaging | Cat. No. |
|----------|--------------------------|-----------|
| 4L | Poly Coated Glass Bottle | MTX1280P1 |

Clear liquid; 0.095-0.105% (v/v); CF₃COOH in H₂O; **F.W.** 114.02

Water Bath



| Quantity | Packaging | Cat. No. |
|----------|---------------|------------|
| 1 Pc. | Chipboard Box | M64000WB94 |

Free-standing unit that attaches directly to the MIDAS™ III-Plus Automated Slide Stainer. With the Water Bath and Midas III-Plus connected, water is circulated from the Water Bath through the Rinse Station of the Midas III-Plus (Station 5) and back to the Water Bath.

Wright Giemsa Solution



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 1L | Plastic Bottle | 23750078 |

APHA Wright Giemsa Solution; Boiling Point: 64.5° to 87.16°C;
Polychromatic stain for peripheral blood and bone marrow smears.
Used for red blood cell morphology and white blood cell differentiation. Specifically formulated for staining malarial parasites.
For in vitro diagnostic use. Prepared from dyes certified by the Biological Stain Commission (BSC). For use with the MIDAS™ III Automated Stainer.

Wright Giemsa Solution



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 1L | Plastic Bottle | 23750000 |

Fucillo Wright Giemsa Solution; Boiling Point: 64.5°C; Polychromatic stain for peripheral blood and bone marrow smears. Used for red blood cell morphology and white blood cell differentiation. For in vitro diagnostic use. Prepared from dyes certified by the Biological Stain Commission (BSC). For use with the MIDAS™ III Automated Stainer.

Wright Stain Solution



| Quantity | Packaging | Cat. No. |
|----------|----------------|----------|
| 4L | Plastic Bottle | 23750076 |
| 1L | Plastic Bottle | 23750075 |

Boiling Point: 64.5°C; Polychromatic stain for peripheral blood and bone marrow smears. Used for red blood cell morphology and white blood cell differentiation. For in vitro diagnostic use. Prepared from dyes certified by the Biological Stain Commission (BSC). For use with the MIDAS™ III Automated Stainer.

Xylene Cyanol FF



| Quantity | Packaging | Cat. No. |
|----------|--------------|--------------|
| 10g | Glass Bottle | AC44070-0100 |
| 50g | Glass Bottle | AC44070-0500 |

~75%; C₂₅H₂₇N₂NaO₆S₂; **F.W.** 538.61; CAS [2650-17-1];
Melting Point: 295.0°C; Solubility in water: soluble.

Xylene Cyanole FF Electrophoresis Grade



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 10g | Glass Bottle | BP565-10 |

Bluish-Green powder; C₂₅H₂₇N₂NaO₆S₂; **F.W.** 538.61;
CAS [2650-17-1]; **Melting Point:** 295°C; **C.I.** 42135;
Recommended Storage: Room Temperature



Xylenol Orange Tetrasodium Salt Certified



| Quantity | Packaging | Cat. No. |
|----------|--------------|----------|
| 5g | Glass Bottle | X15-5 |

Xylenol Orange Indicator; C₃₁H₂₈N₂Na₄O₁₃S; **F.W.** 760.59;
CAS [3618-43-7]; **Melting Point:** 210°C;
Indicator for bismuth. Also suitable as a chelometric indicator for cadmium, lead, mercury, lanthanum, scandium and thorium.



D-(+)-Xylose



| Quantity | Packaging | Cat. No. |
|----------|--------------|-----------|
| 250g | Glass Bottle | BP708-250 |

White to off-white powder; $\geq 98\%$; $C_5H_{10}O_5$; **F.W.** 150.13;

CAS [58-86-6]; **Melting Point:** 148° to 153°C;

Recommended Storage: Room Temperature



Yeast Extract



| Quantity | Packaging | Cat. No. |
|----------|-----------|----------|
| 5kg | Poly Pail | BP9727-5 |

CAS [8013-0]; **Recommended Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place.

Ansell

less muscle effort **GREATER PRODUCTIVITY**

NEW



MICROFLEX® XCEED® WITH ERGOFORM™ ERGONOMIC DESIGN TECHNOLOGY

Microflex XCEED disposable nitrile gloves with ERGOFORM™ Ergonomic Design Technology are designed to reduce hand fatigue enabling workers to exert less muscle effort and increase productivity.

These innovative gloves support musculoskeletal health while minimizing the risk factors that lead to workplace injuries.



ERGOFORM™
Ergonomic Design Technology

MICROFLEX®

PPE

Apparel

Fisherbrand®

Disposable Polyethylene Apron

Lightweight plastic apron is sturdy enough to be reused

- Bib-style
- Size: 46L x 28 in.W
- Thickness: 1.0mil
- White
- Sold in handy dispenser pack



19-181-529

| Description | Cat. No. | Quantity | |
|-------------|------------|-------------|-----------------|
| Apron | 19-181-529 | 50 per pack | 5 pack per case |

DuPont™ Tychem™ ThermoPro™ Sleeveless Aprons

DuPont™
Tychem™

Designed to help provide laboratory personal, industrial workers and hazmat responders with permeation protection against a broad range of toxic industrial chemicals and chemical warfare agents and to provide escape time from flash fires and protection from electric arc

- Tychem ThermoPro for triple hazard protection
- Sleeveless apron design provides frontal body protection
- For flash fire and electric arc hazards, partial body protective Tychem ThermoPro garments must be used in conjunction with primary flame resistant clothing that is rated for the fire/arc hazard.
- Sewn with Nomex™ thread
- Designed with Nomex waist strap and flame resistant (FR) nylon buckle
- Designed with end-user input for laboratory applications
- Ideal for use on top of an existing flame resistant (FR) garment where extra chemical protection is required
- Gray color for discretionary needs
- Made in the USA



19-122-006

COMPLIANCE:
North American Free Trade Agreement (NAFTA) and Trade Agreement Act (TAA).

| Size | Mfr. No. | Cat. No. | Quantity |
|---------------|------------------|------------|------------|
| Gray | | | |
| Small | TP284TGYSM000400 | 19-122-000 | 4 per case |
| Medium | TP284TGYMD000400 | 19-122-001 | 4 per case |
| Large | TP284TGYMD000400 | 19-122-002 | 4 per case |
| X-Large | TP284TGYXL000400 | 19-122-003 | 4 per case |
| Orange | | | |
| Small | TP284TORSM000400 | 19-122-004 | 4 per case |
| Medium | TP284TORMD000400 | 19-122-005 | 4 per case |
| Large | TP284TORLG000400 | 19-122-006 | 4 per case |
| X-Large | TP284TORXL000400 | 19-122-007 | 4 per case |
| 2X-Large | TP284TOR2X000400 | 19-141-761 | 4 per case |

Kimberly-Clark Professional™ KleenGuard™ A70 Chemical Spray Protection Apron

Resistant to many water-based liquids, greases and oils, and liquid chemical sprays

- Yellow polyethylene-coated fabric
- Ties in back at waist
- Length: 44" (112cm)



19-166-520

| Mfr. No. | Cat. No. | Quantity |
|----------|------------|-------------|
| 97790 | 19-166-520 | Case of 100 |

DuPont™ Tychem™ QC Coveralls

Flexible and durable light liquid splash protection



DuPont™ Tychem™

QC 122 Series Coveralls

Tychem QC is a polyethylene-coated Tyvek™ fabric that provides at least 30 minutes of protection against 42 chemical challenges.

- Attached hood with elastic around face opening
- Elastic opening for tighter fit at wrist
- Integrated socks composed of garment material
- Yellow for high visibility
- 10mil thickness

QC 122B

- Tightly sewn seam is covered with garment fabric to reinforce seam and reduce potential for particle penetration
- Storm flap covers zipper which can be sealed by the wearer with adhesive strip to prevent intrusion at zipper

QC 122S

- Multiple interlocking threads are sewn around the raw edges of garment material to create a strong, stress-resistant seam

| Size | Mfr. No. | Cat. No. | Quantity |
|---------------------|------------------|-------------|-------------|
| Bound seams | | | |
| Medium | QC122BYLMD001200 | 19-715-321 | 12 per case |
| Large | QC122BYLLG001200 | 19-014-971 | 12 per case |
| X-Large | QC122BYLXL001200 | 19-088-1691 | 12 per case |
| 2X-Large | QC122BYL2X001200 | 19-085-218 | 12 per case |
| 3X-Large | QC122BYL3X001200 | 19-085-219 | 12 per case |
| 4X-Large | QC122BYL4X001200 | 19-051-254 | 12 per case |
| 5X-Large | QC122BYL5X001200 | 19-141-760 | 12 per case |
| Serged seams | | | |
| Large | QC122SYLLG001200 | 19-088-326A | 12 per case |
| X-Large | QC122SYLXL001200 | 01-361-32D | 12 per case |
| 2X-Large | QC122SYL2X001200 | 19-088-326B | 12 per case |
| 3X-Large | QC122SYL3X001200 | 17-987-27B | 12 per case |
| 4X-Large | QC122SYL4X001200 | 19-088-326D | 12 per case |

DuPont™ Tychem™ SL Coveralls with Hoods and Boots

Useful when handling many wet and dry chemicals, and certain hazardous materials, such as PCBs

DuPont™ Tychem™



Tychem SL Coveralls

Effective protection against a range of chemicals. Excellent for waste management, PCB clean-up, hazardous response and nuclear environments.

- DuPont™ Tyvek™ fabric laminated with Dow™ Saranex™-23P film
- Taped seams
- Elastic wrists and face
- Zipper front with storm flap
- Hoods and boots attached to all models (01-361-5 Series have attached hoods and sock boots¹)
- Models are sewn and taped to provide chemical resistance against heavy liquid splashes and tough seam stress

ALERTS: Garments made of Tyvek™ should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

¹Attached socks are to be worn inside the user's own chemical protective boots. The boot splash cover adds additional protection. These attached socks do not have adequate durability or slip resistance to be worn as outer footwear covering.

| Size | Mfr. No. | Cat. No. | Quantity |
|----------|------------------|-------------|------------|
| Medium | SL122TWHMD000600 | 19-088-348B | 6 per case |
| Large | SL122TWHLG000600 | 19-088-348C | 6 per case |
| X-Large | SL122TWHXL000600 | 19-088-348D | 6 per case |
| 2X-Large | SL122TWH2X000600 | 19-088-348E | 6 per case |
| 3X-Large | SL122TWH3X000600 | 19-088-348F | 6 per case |
| 4X-Large | SL122TWH4X000600 | 19-088-348G | 6 per case |

KleenGuard™ A70 Chemical Spray Coveralls

Reflex™ design offers 12% more chest room and 6% longer body length

Coveralls provide protection for hazardous waste remediation, environmental cleanup, petrochemical and oil refining, acid and caustic handling, biohazard cleanup, tank cleaning and pharmaceutical manufacturing.

- Elastic wrists, attached hood and boots, bound seams
- Storm flap provides a seamless chest area
- Water-resistant zipper and wick-away lining for enhanced comfort
- Wickaway lining for enhanced comfort
- Yellow

COMPLIANCE:

Meet ASTM™ F 903 penetration test standards.



19-166-486

| Size | Mfr. No. | Cat. No. | Quantity |
|----------|----------|------------|-------------|
| Medium | 00682 | 19-166-485 | 12 per case |
| Large | 00683 | 19-166-486 | 12 per case |
| X-Large | 00684 | 19-166-487 | 12 per case |
| 2X-Large | 00685 | 19-166-488 | 12 per case |
| 3X-Large | 00686 | 19-166-489 | 12 per case |
| 4X-Large | 00687 | 19-166-490 | 12 per case |

Onguard™ Polyblend™ Work Boots

Ideal for use in chemical and poultry processing plants, in mining, and in commercial fishing

Polyurethane and PVC plastic provide the moderate chemical resistance of these injection-molded, one-piece boots.

- Steel shanks
- Removable, washable cushion insoles
- Pull-up and kick-off lugs
- Molded pant stays to keep pants tucked inside the boot shaft
- Black with gray cleated nonslip outsoles
- 16 in. high (41cm)
- Steel toe



17-986-329



Servus™ by Honeywell XTP™ PVC Non-Safety Toe Work Boots



Injection molded seamless construction for 100% waterproof protection

- Triple Density Technology uses proprietary compound formulations for increased resistance to degradation from many harsh chemicals
- Dual compound outsole perimeter formulated for tough, long-wearing support and a soft, centersole for better traction and cushion comfort
- Built-in ergonomic foot bed fights fatigue
- Higher, wider, kick-off lugs for easy on/off convenience
- 100% waterproof
- Height: 15 in. (38.1cm)
- Black/Red/Gray



19-920-125

ORDERING INFORMATION: To shorten boot, cut shaft at cut-off line.

COMPLIANCE: Steel toe meets or exceeds ASTM™ F2413-11.

| Size | Mfr. No. | Cat. No. | Quantity |
|------|-----------|------------|----------------------|
| 6 | 861020600 | 17-986-326 | Pair 6 pack per case |
| 7 | 861020700 | 17-986-327 | Pair 6 pack per case |
| 8 | 861020800 | 17-986-328 | Pair 6 pack per case |
| 9 | 861020900 | 17-986-329 | Pair 6 pack per case |
| 10 | 861021000 | 17-986-330 | Pair 6 pack per case |
| 11 | 861021100 | 17-986-331 | Pair 6 pack per case |
| 12 | 861021200 | 17-986-332 | Pair ---- |
| 13 | 861021300 | 17-986-333 | Pair ---- |

APPLICATIONS: Ideal for general industrial, farming and occupational use.

| Size | Mfr. No. | Cat. No. | Quantity |
|------|----------|------------|----------|
| 3 | 75108/3 | 19-920-119 | Pair |
| 4 | 75108/4 | 19-920-120 | Pair |
| 6 | 75108/6 | 19-920-122 | Pair |
| 7 | 75108/7 | 19-920-123 | Pair |
| 8 | 75108/8 | 19-920-124 | Pair |
| 9 | 75108/9 | 19-920-125 | Pair |
| 11 | 75108/11 | 19-920-127 | Pair |
| 12 | 75108/12 | 19-920-128 | Pair |
| 13 | 75108/13 | 19-920-129 | Pair |
| 14 | 75108/14 | 19-920-130 | Pair |
| 15 | 75108/15 | 19-920-131 | Pair |

Eye Protection

Fisherbrand® Chemical Splash

Lens coated to minimize scratching and fogging



19-181-503

- Built for comfortable protection with a soft, flexible PVC body that conforms to facial contours
- Large frames fit over most prescription eyewear
- Coated, clear polycarbonate lens resists impact, scratching and fogging
- Headstrap easily adjusts for a custom fit
- Protect eyes from dust, mist and other airborne particles
- Perforations on goggle top and sides provide direct ventilation

COMPLIANCE:
Meet ANSI™ Z87.1-2010

| Description | Cat. No. | Quantity |
|-----------------|------------|-------------|
| Chemical Splash | 19-181-504 | 12 per pack |

Uvex™ by Honeywell Stealth™ Chemical Splash Goggles



Sleek, low-profile design fits well with respirators, hardhats or welding helmets

- Polycarbonate lens is coated with uvextreme™ anti-fog coating (XTR) for protection against fogging, scratches, static dust and 99.9% of harmful UV rays up to 385nm
- Toric lens provides superior optics and improves peripheral vision
- Combines durable polypropylene frame and soft, flexible elastomer inner flange
- Provides superior splash protection
- Indirect ventilation system directs airflow over the lens to minimize fogging and improve vision — without compromising splash and impact protection
- Neoprene headband is textured to prevent slipping and features quick-adjust clips for easy and secure fit
- Snap-off/snap-on lens replacement system suits many applications and environments



18-999-2312

ORDERING INFORMATION:

Visit www.fishersci.com (keyword: uvex stealth) for replacement lenses and Rx carrier adapter that allows prescription glasses to be used with goggles.

COMPLIANCE:

Meet ANSI™ Z87.1-2010 and CSA Z94.3 standards.

| Lens Tint | Mfr. No. | Cat. No. | Quantity |
|--------------------------------------|----------|-------------|------------------|
| Light Gray/Charcoal Gray Body | | | |
| Clear | S3960C | 18-999-2312 | Each 50 per case |
| Clear† | S3960D | 17-377-403 | Each 50 per case |
| Gray | S3961C | 18-999-2314 | Each 50 per case |
| Amber | S3962C | 18-999-2313 | Each 50 per case |
| Teal/Light Gray Body | | | |
| Clear | S39610C | 18-999-2315 | Each 50 per case |
| Gray | S39611C | 18-999-2316 | Each 10 per pack |
| Gray/Gray Body | | | |
| Clear | S3960CI | 19-823-231 | Each 50 per case |

†17-377-403 has Dura-streme coating

Safety Choice™ Economy Chemical Resistant Goggles



Affordable protection



19-181-501

- Clear polycarbonate lens
- Soft, flexible PVC body molds to facial contours for a comfortable fit
- Adjustable headstrap ensures custom fit

Chemical Splash

- Shield eyes from dust, mist and other airborne particles
- Direct vents on goggle top and sides

COMPLIANCE: Meet ANSI™ Z87.1-2010

| Description | Mfr. No. | Cat. No. | Quantity |
|-----------------|----------|------------|------------------|
| Chemical Splash | SG23450 | 19-181-502 | Each 12 per pack |

3M™ Maxim™ Splash Goggles

Wide lens offers extensive sightline with superior peripheral range and no distortion



19-165-401

- Lightweight frame with polymetric materials ensure comfort at cheeks, forehead and nose
- Duosoft shroud for all-day comfort
- Indirect ventilation for improved circulation, comfort and reduced fogging
- Fits over most prescription eyewear
- Anti-fog coated lens

COMPLIANCE: Meets ANSI™ Z87.1-2010 and CSA Z94.3-2007 standards.

ALERTS:

The 3M products in this catalog must be used in accordance with OSHA regulations, and the user instructions, warnings, and limitations accompanying each product.

| Model | Mfr. No. | Cat. No. | Quantity |
|-------|----------------|------------|-------------|
| OTG | 40671-00000-10 | 19-165-401 | 10 per case |



Jackson Safety™ V8o MonoGoggle™ Safety Goggles

Durable PVC frame for outstanding impact resistance and comfort



17-277A

- Standard or fog-resistant VisiClear™ polycarbonate lens provides 99.9% UV protection up to 380nm
- Patented ventilation system minimizes condensation while internal baffles protect eyes from dust and chemical splash
- Soft, pliable nosepiece molds to facial contours
- Headband attaches at the back of the frame for full peripheral vision
- **Standard MonoGoggle with VisiClear** with standard PVC frame or with foam-padded frame for additional impact resistance and comfort
- **Respirator-Fit MonoGoggle** designed to be worn with a half-mask cartridge or disposable respirator, without inhibiting their protective fit

COMPLIANCE: Meet ANSI™ Z87.1-2010 standards.

| Description | Mfr. No. | Cat. No. | Quantity |
|--------------------------------|----------|------------|------------------|
| VisiClear Lens | | | |
| MonoGoggle | 14387 | 17-277-1A | Each 36 per pack |
| MonoGoggle with Comfort Foam | 16668 | 19-062-307 | Each 36 per case |
| MonoGoggle with Smoke Frame | 16670 | 19-706-025 | Each 36 per case |
| MonoGoggle with Respirator Fit | 16669 | 17-277-1B | Each 36 per case |
| Clear Lens | | | |
| MonoGoggle | 14384 | 17-277A | Each 36 per case |

PIP™ Bouton™ Optical Dual Lens Goggles

Designed to provide ultimate anti-fog protection for any work environment



- Low profile design for use with head protection
- Indirect ventilation protects against liquid splash
- 99.99% UVA and UVB light filtration
- Transparent gray frame
- Elastic or Neoprene headband
- PVC/Synthetic foam padding

Specifications:

- Lens type: Dual, Anti-fog
- Outside lens material: Polycarbonate 99.99% UVA and UVB light absorption
- Inside lens material: Acetate
- Thickness: 2mm
- Base curve: 5.75
- Frame: PVC

Packaging Details:

- 10 pair per inner box, 60 pair per case
- Inner box size: 11 x 7.5 x 6.1 in. (28 x 19 x 15.5cm)
- Inner box weight: 3lb. (1.4kg)
- Case size: (24 x 13 x 17 in.) 61 x 33 x 43cm
- Case weight: Neoprene headband: (20 lb.) 9kg; Elastic headband: 21.2 lb. (9.6kg)



19-148-212

| Lens Tint | Material | Mfr. No. | Cat. No. | Quantity |
|-----------|----------|-----------------|------------|-----------------------------|
| Clear | Elastic | 251-65-0020 | 19-148-205 | ---- 60 per case |
| Clear | Neoprene | 251-65-0020-RHB | 19-148-206 | ---- 60 per case |
| Gray | Neoprene | 251-65-0021-RHB | 19-148-212 | 10 per pack 6 pack per case |

COMPLIANCE: Meet ANSI™ Z87.1-2010 standard

Hand Protection

Ansell™ ChemTek™ Viton/Butyl Chemical Handling Gloves



North™ by Honeywell Butyl Gloves



by Honeywell

High permeation resistance to gas or water vapors

For aggressive chemical handling

- Offers an extra level of protection in applications involving aromatic chemicals and chlorinated solvents
- Viton layer over butyl means lower-cost glove for aggressive chemical exposure
- Delivers unique balance of ergonomic design and tactile sensitivity with optimum chemical splash protection
- Smooth grip
- Length: 21 in. (30.4cm)



19-025-587

ORDERING INFORMATION:

Each pair is packed with an individual informational insert so critical information is always at your fingertips.

For use with ketones and esters, and applications such as aircraft maintenance, automotive, chemical handling and processing and hazmat work.

- Made from butyl synthetic rubber
- All gloves have rolled cuffs
- Available with smooth or rough Grip Saf™ finish for wet applications
- Unlined with sanitized interior
- 11mil, 13 in. Long (27.9cm), Smooth Finish

19-161-442

| Size | Mfr. No. | Cat. No. | Quantity |
|------|------------------|------------|------------------------|
| 8 | 38-612 8 103210 | 19-162-032 | Dozen 3 dozen per case |
| 9 | 38-612-9 | 19-161-442 | Dozen 3 dozen per case |
| 10 | 38-612 10 103212 | 19-162-033 | Dozen 3 dozen per case |

| Size | Mfr. No. | Cat. No. | Quantity |
|------|----------|-----------|----------|
| 7 | B131/7 | 11-394-9A | Pair |
| 8 | B131/8 | 11-394-9B | Pair |
| 9 | B131/9 | 11-394-9C | Pair |
| 10 | B131/10 | 11-394-9D | Pair |
| 11 | B131/11 | 11-394-9E | Pair |

Ansell™ Unsupported Neoprene Gloves



Embossed finish for better grip

Case hardened to provide excellent resistance to abrasion and a wide range of chemicals, including oils, acids, caustics and solvents. Feature straight cuffs, curved fingers, contoured palm.

- Flock-Lined
- Soft, cotton-flock lining absorbs perspiration
- Lining, plus generously proportioned wrist make donning and doffing easy
- Length: 13 in. long (33cm)
- Thickness: 18mil



11-391-130C

| Size | Mfr. No. | Cat. No. | Quantity |
|------|-----------|-------------|-------------------------|
| 7 | 29 865 7 | 11-391-130A | Dozen 12 dozen per case |
| 8 | 29 865 8 | 11-391-130B | Dozen 12 dozen per case |
| 9 | 29 865 9 | 11-391-130C | Dozen 12 dozen per case |
| 10 | 29 865 10 | 11-391-130D | Dozen 12 dozen per case |

MAPA Professional™ StanZoil™ Knit-Lined Multi-Layer Supported Neoprene Gloves



Ansell™ Solvex Nitrile Gloves



Embossed texture improves grip for easier handling of wet and slippery objects

Combine flexibility with abrasion, cut and tear resistance



11-392-31C

Unique multi-dip construction offers liquidproof hand protection and excellent chemical resistance to most oils, grease, acids, caustics, alcohols and solvents. Ideal for applications involving assembly, degreasing, lubricating, castings, steam cleaning, motor parts, chemical processing, petroleum refining, grinding, filing, metal finishing and general maintenance.

- Neoprene overdip in glove work area eliminates pinholes and weak spots throughout the glove and cuff
- Nonslip finish ensures a safe grip—even on wet or oily parts
- Two-way stretch cotton interlock knit lining insulates from heat and cold and absorbs perspiration
- Seamless liner in work area protects hands from chafing
- Roomy thumb crotch for long-wear comfort
- Pinked cuff
- Washable

COMPLIANCE: Meet 21CFR 170-199.

| Size | Mfr. No. | Cat. No. | Quantity | |
|--|----------|-------------|----------|------------------|
| 12 in. Long (30cm), Blue with Black Overdip | | | | |
| 7 | 334946 | 11-392-31A | Dozen | 6 dozen per case |
| 9 | 334948 | 11-392-31C | Dozen | 6 dozen per case |
| 10 | 334949 | 11-392-31D | Dozen | 6 dozen per case |
| 14 in. Long (36cm), Blue with Black Overdip | | | | |
| 8 | 337428 | 11-388-118A | ---- | 4 dozen per case |
| 9 | 337429 | 11-388-118B | Dozen | 4 dozen per case |
| 10 | 337420 | 11-388-118C | Dozen | 4 dozen per case |
| 11 | 337421 | 11-388-118D | Dozen | 4 dozen per case |



11-391-139C

Ideal for numerous applications involving chemical processing, oil refining, petrochemicals, food processing and aerospace and automotive degreasing, as well as furniture and battery manufacturing. Strong and chemical resistant — will not weaken or swell in many solvents, caustics or animal fats.

- Nitrile construction protects against abrasions, cuts, snags and punctures
- Curved finger design and contoured palm help
- reduce fatigue
- Full cut for easy donning and doffing
- Contain no protein allergens; Will not promote contact dermatitis
- Dark Green

COMPLIANCE:

Comply with FDA food handling requirements (21 CFR 177.2600).

| Size | Mfr. No. | Cat. No. | Quantity | |
|---|------------------|-------------|----------|-------------------|
| 13 in. Long (33cm), 15mil Thick | | | | |
| 7 | 37-155 7 117141 | 11-391-137A | Dozen | 12 dozen per case |
| 8 | 37-155 8 117142 | 11-391-137B | Dozen | 12 dozen per case |
| 9 | 37-155 9 117143 | 11-391-137C | Dozen | 12 dozen per case |
| 10 | 37-155 10 117144 | 11-391-137D | Dozen | 12 dozen per case |
| 11 | 37-155 11 117145 | 11-391-137E | Dozen | 12 dozen per case |
| 13 in. Long (33cm), 15mil Thick, Flock-Lined | | | | |
| 6 | 37-175 6 117272 | 11-391-139A | Dozen | 12 dozen per case |
| 7 | 37-175 7 117273 | 11-391-139B | Dozen | 12 dozen per case |
| 8 | 37-175 8 117274 | 11-391-139C | Dozen | 12 dozen per case |
| 9 | 37-175 9 117275 | 11-391-139D | Dozen | 12 dozen per case |
| 10 | 37-175 10 117276 | 11-391-139E | Dozen | 12 dozen per case |
| 11 | 37-175 11 117277 | 11-391-139F | Dozen | 12 dozen per case |
| 18 in. Long (46cm), 22mil Thick | | | | |
| 7 | 37-185 7 117298 | 11-391-140A | Dozen | ---- |
| 8 | 37-185 8 117299 | 11-391-140B | Dozen | ---- |
| 9 | 37-185 9 117300 | 11-391-140C | Dozen | ---- |
| 10 | 37-185 10 117301 | 11-391-140D | Dozen | ---- |
| 11 | 37-185 11 117302 | 11-391-140E | Dozen | ---- |

Ansell™ Sol-Knit™ Gloves



Reinforced nitrile with comfortable reinforced cotton liner

Ideal for automotive assembly and painting, petrochemical refining, chemical handling and processing, degreasing, general maintenance work, graphic arts and printing cleanup. Resist wear and tear from abrasion and sharp edges, as well as harm from fuels, lubricants, acids, solvents and a wide range of other chemical hazards.

- Prevent hand irritation and premature wear-through
- Feature textured palm and fingers for gripping wet or dry objects
- Curved, flexed fingers and wing thumb reduce hand fatigue, providing extra working comfort
- Interlock knit liner adds strength and eliminates seams from working areas
- Length: 12 in. (30.5cm) or 14 in. (35.6cm)



11-394-38 Series

| Size | Mfr. No. | Cat. No. | Quantity | |
|-----------------------------|------------------|------------|----------|------------------|
| 12 in. Long (30.5cm) | | | | |
| 8 | 39-122 8 217801 | 11-394-38B | Dozen | 6 dozen per case |
| 9 | 39-122 9 217802 | 11-394-38C | Dozen | 6 dozen per case |
| 10 | 39-122 10 217803 | 11-394-38D | Dozen | 6 dozen per case |
| 14 in. Long (35.6cm) | | | | |
| 7 | 39-124/7 | 19-806-114 | Pair | 72 pair per case |
| 8 | 39-124/8 | 19-806-115 | Pair | 72 pair per case |
| 9 | 39-124/9 | 19-806-116 | Pair | 72 pair per case |
| 10 | 39-124/10 | 19-806-117 | Pair | 72 pair per case |

PIP™ Unsupported Light Weight Nitrile Gloves



Lightweight construction and hand-specific design provide real comfort with protection

- Provides flexibility, tactile sensitivity and dexterity sometimes lacking in heavier gauge unsupported nitriles
- Provides the protection from chemical and physical hazards not always found in thinner gauge nitrile disposables
- Raised diamond grip pattern provides excellent grip
- Unlined to reduce potential of product contamination
- Thickness: 11mil.
- 13 in. long
- Chlorinated



19-151-233

APPLICATIONS:

Light chemical applications, printing and meat and poultry processing.

CERTIFICATIONS:

Made from component materials which comply with Federal regulations for food contact. 21CFR, 170-199.

| Size | Mfr. No. | Cat. No. | Quantity | |
|---------|---------------|------------|----------|-------------------|
| Medium | 50-N110GPR/M | 19-151-232 | Dozen | 12 dozen per case |
| Large | 50-N110GPR/L | 19-151-233 | Dozen | 12 dozen per case |
| X-Large | 50-N110GPR/XL | 19-151-234 | Dozen | 12 dozen per case |

PIP™ ATG™ MaxiChem™ Cut™ Nitrile Blend Coated Gloves



Developed for people working with chemicals while also requiring a level of cut protection

- Chemical resistance delivered through ATG LiquiTech™ technology platform
- Seamless knit engineered yarn
- Ultra lightweight micro-foam nitrile coating
- Super light seamless knit HPPE liner provides comfort, sensitivity, fit and dexterity
- Gauntlet cuff keeps cuff close to hand to maintain fingers at tip of gloves to maximize dexterity
- Micro-cup non-slip grip finish on palm for controlled and superior grip in oily and wet applications
- All manufacturing ingredients comply with REACH legislation
- Green shell, black grip and white liner



19-148-209

APPLICATIONS: General handling and handling small castings, handling of small components, light metal fabrication and parts handling.

CERTIFICATIONS: CE.

| Size | Mfr. No. | Cat. No. | Quantity |
|----------|------------|------------|------------------------|
| Small | 56-633/S | 19-148-207 | Dozen 6 dozen per case |
| Medium | 56-633/M | 19-148-208 | Dozen 6 dozen per case |
| Large | 56-633/L | 19-148-209 | Dozen 6 dozen per case |
| X-Large | 56-633/XL | 19-148-210 | Dozen 6 dozen per case |
| 2X-Large | 56-633/XXL | 19-148-211 | Dozen 6 dozen per case |

Ansell™ Chemi-Pro™ Gloves



Unique dipping process places neoprene over natural latex

Ideal for aircraft assembly, automotive manufacturing, battery manufacturing, chemical plants, food processing, pesticide manufacturing and plant maintenance. Increased protection against a wide range of chemicals, including acids, alcohols, animal fats, caustics, salts, petroleum-based solvents, detergents and ketones.

- Longer than standard gloves for added forearm protection
- Recessed diamond embossed diamond pattern ensures secure grip on wet or dry surfaces
- Cotton flock lining absorbs perspiration, enhancing worker comfort
- Pinked cuff
- Length: 13 in. (33cm)
- Thickness: 27mil



19-014-486

| Size | Mfr. No. | Cat. No. | Quantity |
|------|------------------|------------|-------------------------|
| 7 | 00-224 7 192241 | 19-014-481 | Dozen 12 dozen per case |
| 8 | 00-224 8 192243 | 19-014-484 | Dozen 12 dozen per case |
| 9 | 00-224 9 192245 | 19-014-486 | Dozen 12 dozen per case |
| 10 | 00-224 10 192247 | 19-014-488 | Dozen 12 dozen per case |

MAPA Professional™ StanSolv™ Unlined Nitrile Gloves



Comfort and dexterity despite high mechanical strength

- Z-Pattern grip channels liquids away from glove surface for an enhanced grip in wet applications
- Nitrile compound provides resistance to snags, punctures, abrasions and cuts
- Chlorinated finish provides easy on/off
- Straight cuff

STORAGE: Store gloves in their packaging protected from light, humidity and heat.

| Length | Size | Exterior Texture | Mfr. No. | Cat. No. | Quantity |
|-----------------|------|------------------|----------|------------|------------------------|
| 15mil | | | | | |
| 13 in. (33cm) | 7 | No-Slip Grip | 479417 | 11-392-2A | Dozen 6 dozen per case |
| 13 in. (33cm) | 8 | No-Slip Grip | 479418 | 11-392-2B | Dozen 6 dozen per case |
| 13 in. (33cm) | 9 | No-Slip Grip | 479419 | 11-392-2C | Dozen 6 dozen per case |
| 13 in. (33cm) | 10 | No-Slip Grip | 479410 | 11-392-2D | Dozen 6 dozen per case |
| 13 in. (33cm) | 11 | No-Slip Grip | 479411 | 11-392-2E | Dozen 6 dozen per case |
| 22mil | | | | | |
| 14 in. (35.5cm) | 7 | Embossed | 474557 | 11-392-4A | ---- 48 per case |
| 14 in. (35.5cm) | 10 | Embossed | 474550 | 11-392-4D | ---- 48 per case |
| 14 in. (35.5cm) | 11 | Embossed | 474551 | 11-392-4E | ---- 48 per case |
| 18 in. (45.7cm) | 8 | Embossed | 480428 | 19-042-652 | Dozen ---- |
| 18 in. (45.7cm) | 9 | Embossed | 480429 | 11-392-5A | Dozen ---- |
| 18 in. (45.7cm) | 10 | Embossed | 480420 | 11-392-5B | Dozen ---- |



11-392-2C

Respiratory Protection

3M™ 6000 Series Reusable Reusable Half Facepiece

Combines features of both reusable and disposable respirators to provide effective protection



17-986-9B

- Lightweight half facepiece features adjustable headstraps and cradle suspension
- Low-profile facepiece offers excellent visibility and allows comfortable wearing of safety spectacles
- Backswep cartridges balance better on the face while their large surface area ensures low breathing resistance

ORDERING INFORMATION:

Probed models for fit test only—not for use as a respirator. Cartridge/filter combinations sold separately.

INCLUDES:

Reclosable storage bag.

REQUIRES:

Facepiece requires compatible cartridges and/or filters (sold separately).

CERTIFICATIONS:

NIOSH approved under 42CFR84 for use against a variety of respiratory hazards, when used as designed with appropriate cartridges and filters.

| Size | Mfr. No. | Cat. No. | Quantity | |
|--|----------|-----------|----------|-------------|
| Facepiece Without Filters | | | | |
| Small | 6100 | 17-986-9A | Each | 24 per case |
| Medium | 6200 | 17-986-9B | Each | 24 per case |
| Large | 6300 | 17-986-9C | Each | 24 per case |
| Probed Models For Fit Test Only | | | | |
| Medium | 6200Q | 17-987-3A | Each | 4 per case |
| Large | 6300Q | 17-987-3B | Each | 4 per case |

3M™ 6000 Series Reusable Full Facepiece

Requires limited maintenance time — reducing need for expensive repair programs



18-999-4556

- No retainers or extra parts needed to attach filters, cartridges or dual airline
- Soft, lightweight facepiece material and easy-to-use headstraps
- Large lens with scratch-resistant hardcoat

REQUIRES:

Compatible cartridges and/or filters (sold separately). Compatible with Series 2000 and 7093 filters and Series 6000 cartridges.

CERTIFICATIONS:

NIOSH approved for 3M Negative Pressure Air-Purifying Respirators, Positive-Pressure Dual Airline Respirators and some 3M PAPRs (with DIN adapter).

| Size | Mfr. No. | Cat. No. | Quantity | |
|--------|----------|-------------|----------|------------|
| Small | 6700 | 18-999-4555 | Each | 4 per case |
| Medium | 6800 | 18-999-4556 | Each | 4 per case |
| Large | 6900 | 18-999-4557 | Each | 4 per case |



WARNING

Do not exceed maximum use concentration established by regulatory standards. If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the respirator. Before each use of the product, please inspect for any rips, damage, tears, etc. These safety products must be used in accordance with OSHA regulations and the user instructions, warnings and limitations accompanying each product. **Misuse may result in sickness or death.**

3M™ 6000 Series Cartridge/P100 Particulate Filter Combinations



Preassembled with P100 filters

- Can be used for contaminant concentration up to 10X the Permissible Exposure Limit (PEL) with half-facepiece respirators, or 50X the PEL with full-facepiece respirators (when quantitatively fit-tested) or according to specific OSHA standards or applicable government regulations, whichever is lower
- Not for use in atmospheres that are unknown or immediately dangerous to life or health (IDLH)
- Cartridge/filter assemblies using P100 filters are 99.97% efficient against solid and liquid aerosols, including oils



18-999-4550

| Approved for | Mfr. No. | Cat. No. | Quantity | |
|---|----------|-------------|------------|------------------|
| Acid Gas/P100 | | | | |
| Chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide; P100 (99.97% efficient against solid and liquid aerosols, including oils) | 60922 | 18-999-4549 | 2 per pack | 30 pack per case |
| Ammonia/Methylamine/P100 | | | | |
| Ammonia; methylamine; P100 (99.97% efficient against solid and liquid aerosols, including oils) | 60924 | 18-999-4551 | 2 per pack | 30 pack per case |
| Formaldehyde/Organic Vapor/P100 | | | | |
| Formaldehyde; organic vapors; P100 (99.97% efficient against solid and liquid aerosols, including oils) ¹ | 60925 | 18-999-4552 | 2 per pack | 30 pack per case |
| Mercury Vapor/Chlorine/Sulfur Dioxide P100 | | | | |
| Mercury vapor; chlorine; sulfur dioxide P100 (99.97% efficient against solid and liquid aerosols, including oils) | 60929S | 19-070-341 | 2 per pack | 30 pack per case |
| Multi-Gas/Organic Vapor/P100 | | | | |
| Organic vapors; chlorine, chlorine dioxide, hydrogen chloride, sulfur dioxide, hydrogen fluoride, hydrogen sulfide; ammonia; methylamine; formaldehyde; P100 (99.97% efficient against solid and liquid aerosols, including oils) ¹ | 60926 | 18-999-4567 | 2 per pack | 30 pack per case |
| Organic Vapor/P100 | | | | |
| Certain organic vapors; P100 (99.97% efficient against solid and liquid aerosols, including oils) | 60921 | 18-999-4548 | 2 per pack | 30 pack per case |
| Organic Vapor/Acid Gas/P100 | | | | |
| Certain organic vapors; chlorine, hydrogen chloride, sulfur dioxide, hydrogen fluoride, hydrogen sulfide; P100 (99.97% efficient against solid and liquid aerosols, including oils) | 60923 | 18-999-4550 | 2 per pack | 30 pack per case |
| Organic Vapor/Acid Gas/P100² | | | | |
| Certain organic vapors; chlorine, hydrogen chloride, sulfur dioxide, hydrogen fluoride, hydrogen sulfide; P100 (99.97% efficient against solid and liquid aerosols, including oils). 3M recommended for use against radioiodine or methyl bromide up to 5ppm with daily cartridge change. | 60928 | 19-096-901 | ---- | Case of 60 |

¹OSHA regulations require that gas-proof goggles be worn with half-facepiece respirators when used against formaldehyde. For information about appropriate goggle selection, contact your Fisher Scientific Customer Service Representative.

² See 3M Technical Data Bulletin #146 for specific usage recommendations.



WARNING

Do not exceed maximum use concentration established by regulatory standards. If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the respirator. Before each use of the product, please inspect for any rips, damage, tears, etc. These safety products must be used in accordance with OSHA regulations and the user instructions, warnings and limitations accompanying each product. **Misuse may result in sickness or death.**

Facility Safety and Maintenance

Communications

Brady™ GHS Training Kit



Contains everything you need to train your employees, including reference materials for the ongoing regulatory changes that the Hazard Communication Standard requires

GHS HazCom Training Program Kit (19-041-052)

Kit includes: a DVD with 2 videos on the GHS standard that will help employees understand the new GHS label elements, identify the new GHS pictograms and how to read and interpret the new GHS Safety Data Sheets. Along with the DVD, this program comes with a comprehensive instructor's guide, employee quiz, accompanying PowerPoint presentation, and 5 employee handbooks.

GHS Introduction Poster Pack (19-141-906)

Includes: posters that outline 3 key topics for employees 22W x 17" H

Print-On-Demand Solution

Features: BBP™33 Label Printer with AutoCutter and MarkWare™ Software (19-140-594) - An easy-to-use, versatile printer that can print signs / labels up to 4" wide featuring a large touchscreen display with drag and drop label design, an intuitive home screen that allows you to create labels in as little as two steps.

GHS Reference Center Poster (19-141-908)

Features; large poster measuring 25.5H x 39.5" W

SDS Binder Centers (19-141-530)

Includes: incorporate our new SDS binders with a "Right To Know Compliance Center" backboard and wire rack. These highly visible centers are a great place to store your safety data sheets so they are easily accessible to all employees. 1.5" Binder, ENGLISH Overall size: 20W x 14H x 4.5"D

GHS Wallet Cards (19-147-1907)

2.1W x 3.4"H cards show all 9 new GHS Hazard Pictograms



GHS_Package

Custom GHS Sign

Flexible, self sticking polyester GHS Sign B302 in all sizes- 7 x 10" or larger

- The Hazard Communication Standard (HCS) is now aligned with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)
- This update to the Hazard Communication Standard (HCS) will provide a common and coherent approach to classifying chemicals and communicating hazard information of labels and safety data sheets

INCLUDES:

GHS HazCom Training Program Kit, GHS Introduction Poster Pack, BBP™ 33 Label Printer with Auto Cutter and MarkWare™ Software, GHS Reference Center Poster, SDS Binder Centers, GHS Wallet Cards, Custom GHS Sign

| Mfr. No. | Cat. No. | Quantity |
|----------|------------|----------|
| Y3384873 | 19-041-050 | Each |

Brady™ BMP™ 21 LAB Label Printer

Designed specifically for use in autoclaves, liquid nitrogen, freezers, hot baths and are unaffected by lab chemicals

- Prints 0.25 to 0.75 in. wide identification to maximize amount of data
- Vial label function automatically cuts tape according to size of vial
- Greek symbols, time and date stamps for enhanced sample tracking
- Built-in automated serialization and bar code
- ABC keypad, graphics library, label setup keys and menu functions for fast label creation
- Rechargeable Lithium-ion battery
- Smart Cell Technology for automatic label setup
- Also available as kit (BMP21-LAB-KIT1) which includes the AC adapter
- Molded rubber bumpers provides protection from falls
- Grab and go ridges grip for easy handling
- Cutter and label grabber to hold label after cutting
- Single color printing capability
- Three line LCD display for clear visibility
- Maximum roll length: 6.4m (21 ft.)
- Blue/Gray
- Size: 9.63 × 4.94 × 2.60 in. (24.46L × 12.5W × 6.6cm H)



BRADY 360
2 YEAR
WARRANTY

19-102-825



APPLICATIONS:

Laboratory Identification, Data Communications Labeling, General and Industrial Labeling, Panel Identification, Wire and Cable Marking, Facility, Safety and Maintenance Identification, Barcode Labeling, Circuit Board Labeling, Healthcare Identification, Lean/5S Labeling.

INCLUDES: BMP21 LAB Printer, M21-750-7425 Label Cartridge, Hard Case and Quick Start Guide.

WARRANTY: Two years.

COMPLIANCE: BMP21-LAB: RoHS Compliant, WEEE, EU REACH SVHCBMP21-LAB-KIT1: RoHS Compliant, WEEE.

| Description | Mfr. No. | Cat. No. | Quantity |
|-----------------------------|----------------|------------|----------|
| BMP21 LAB Label Printer | BMP21-LAB | 19-102-824 | Each |
| BMP21 LAB Label Printer Kit | BMP21-LAB-KIT1 | 19-102-825 | Each |

First Aid

North™ by Honeywell First Aid Stations



by Honeywell

Ideal for large office or manufacturing settings

Includes:

- 3 × 0.75 in. cloth adhesive bandages
- 3 × 1 in. plastic adhesive bandages
- XL plastic adhesive bandages
- 2 in. elastic bandage
- Cloth fingertip bandages
- Cloth knuckle bandages
- Quick Stop bandage
- Non-sterile triangular bandage
- 6 yd. × 3 in. conforming bandage
- 6 yd. × 2 in. conforming bandage
- 3 × 2 in. non-adherent pads
- 5 yd. × 0.5 in. adhesive tape
- 3 × 3 in. sterile gauze pads
- Alcohol prep pads
- Antibiotic ointment
- 2 oz. Burn pump spray
- CPR Micorshield™ with gloves and wipes
- Eye dressing pads with adhesive strips
- 4 oz. Eye-Lert™ eyewash
- 1 square yd. gauze compress
- Pointed plastic forceps
- Angled, red handle scissors
- Non-Aspirin Pain-A-Rest™
- Synthetic medical gloves
- First Aid Guide



17-986-558

| No. of Persons | Size | Mfr. No. | Cat. No. | Quantity |
|----------------|---|--------------|------------|----------|
| 100 | 15 × 10.5 × 4.7 in.(38.1 × 26.6 × 11.9cm) | 019720-4516F | 17-986-557 | Each |
| 150 | 18 × 11.8 × 6 in.(45.7 × 29.9 × 15.2cm) | 019721-4517F | 17-986-558 | Each |
| 200 | 22 × 17 × 6 in.(55.8 × 43.1 × 15.2cm) | 019722-4518F | 17-986-559 | Each |

Eyewash Stations

Honeywell Fendall Pure Flow 1000™ Portable Emergency Eyewash Station



Self-contained, gravity-fed emergency eyewash

Delivers 7 gal. (26.4L) saline solution — purified, contaminant-free and physiologically correct — from a sealed, integrated delivery module.

- Highly visible green color provides easy identification in an emergency situation
- Sure-grip handle provides instant, simple activation
- Activation straps display expiration date; Integral drain valve allows easy draining of reservoir after use
- Integral fluid reservoir captures waste fluid, eliminating potential safety hazards and simplifying fluid disposal
- Cover keeps dirt and trash from collecting in the basin and nozzle
- Unit can be serviced in five minutes or less
- With provision for locking device

INCLUDES:

Vinyl eyewash sign, 8 × 10 in. (20.3 × 25.4cm).

REQUIRES:

Two solution cartridges (Cat. No. 18-999-265B, sold separately).

COMPLIANCE:

Constant flowrate meets ANSI™ Z358.1-2004.



18-999-265A

| Description | Mfr. No. | Cat. No. | Quantity |
|----------------|----------------|-------------|----------|
| Pure Flow 1000 | 32-001000-0000 | 18-999-265A | Each |

Fisher Scientific™ Faucet-Mount Personal Eyewash



Ideal economical eyewash for laboratory applications

Unit is activated by an actuator pin on adapter. When pin is in closed position, faucet can be used for normal operation.

- Mounts to both standard and gooseneck faucets
- Features chrome-plated brass pipe, fittings, faucet adapter and twin sprayhead assembly
- Yellow dust covers pop off when eyewash is activated

ORDERING INFORMATION:

Adapter on unit is 0.86 in. × 27 thread (female), but includes two additional adapters to fit most faucets (0.81 in. × 27 thread [male] and 0.94 in. × 27 thread [male])

INCLUDES:

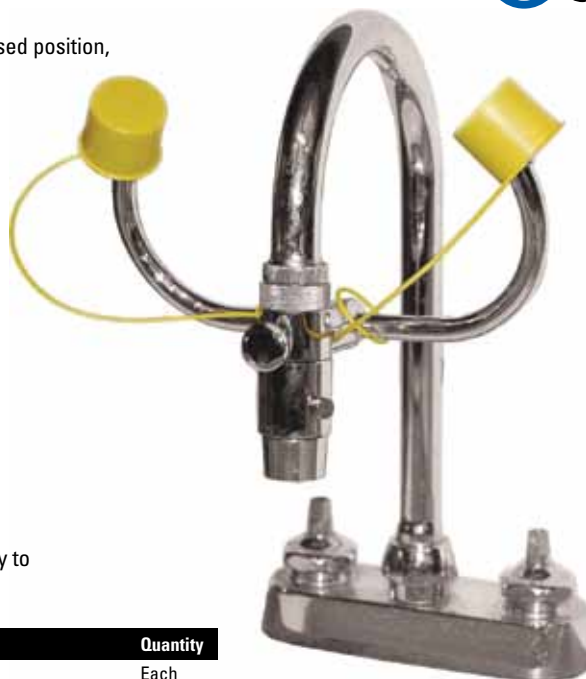
Safety sign and inspection tag.

CERTIFICATIONS:

SEI certified to comply with ANSI™ Z358.1-2004.

NOTES:

To eliminate risk of scalding the eyes, disconnect hot water supply to the faucet or install tempered water system.



19-150-0470

| Description | Cat. No. | Quantity |
|-------------------------------|-------------|----------|
| Faucet-Mount Personal Eyewash | 19-150-0470 | Each |

Hazardous Handling

Justrite™ Blue Polyethylene Acid Storage Cabinets



Maximum protection against harsh environments and corrosives

- For highly corrosive acids
- Clearly labeled with "ACID"
- Accept a padlock (not included) for added security

Countertop Model

- Door can be hinged from either side for best countertop space utilization
- Polyethylene spill tray inside contains leaks and removes for easy cleaning
- A separate polyethylene tray stores under cabinet and can be used as a work tray

Undercounter Model

- Each segregated compartment has an adjustable shelf and storage in both doors for small containers
- Two removable sumps slide out for easy cleaning of incidental spills
- Two vent holes (with removable caps) on backside accommodate pressurized vapor removal systems
- Includes hardware to secure cabinet to wall



18-999-4413B

| Capacity | L x W x H | No. of Shelves | Weight | Mfr. No. | Cat. No. | Quantity |
|---------------------|---|----------------|----------------|----------|--------------|----------|
| Countertop | | | | | | |
| 2 x 4L Bottles | 16.25 x 14.25 x 19.5 in. (56 x 91 x 89cm) | 0 | 30 lb. (14kg) | 24040 | 18-999-4413A | Each |
| Undercounter | | | | | | |
| 30 x 1L Bottles | 23.5 x 36 x 35 in. (59.7 x 91.4 x 89cm) | 2 | 120 lb. (59kg) | 24160 | 18-999-4413B | Each |

Storage

Justrite™ Metallic Undercounter Cabinet



Helps keep floor space free

- Fitted with a 3.5H x 2.5 in.D kickplate to mount flush with other cabinetry or when used without counter
- Dual vents with flash arresters are located for easy connection if ventilation is needed
- Features vent openings in back wall, one adjustable shelf and two manual or self-closing doors

ORDERING INFORMATION:

Capacity: 22 gal. (83L).
Exterior dimensions: 22L x 35W x 35 in. H (56 x 89 x 89cm)

COMPLIANCE:

Meet OSHA and NFPA™ requirements. 19-033-720 also complies with Uniform Fire Code.

CERTIFICATIONS:

FM approved. UL listed.

NOTES:

Not recommended for storage of phenol, nitric or sulfuric acid.

| Door Type | Mfr. No. | Cat. No. | Quantity |
|--------------|----------|------------|----------|
| Manual | 892302 | 17-154C | Each |
| Self-Closing | 892322 | 19-033-720 | Each |



17-154C

Justrite™ Metallic Acids Cabinet with ChemCor™ Liner



Maximum protection from harsh acids and corrosive chemicals

- 100% seamless ChemCor™ liner on all interior walls, ceiling, sump, inside doors and shelves protects exposed cabinet surfaces from rust and corrosion
- Seam-free surface eliminates need for rivets or fasteners, averting corrosion from seep-through chemicals
- Durable, thermoplastic nonporous interior coating resists staining and cleans up easily and thoroughly
- Constructed of double-wall, 18-gauge, welded steel
- Features 2 in. (5cm) liquid-tight containment sump, dual vents, adjustable shelves and leveling feet
- All-epoxy, baked-on blue powder coat exterior paint provides extra resistance to deterioration from harsh chemicals

INCLUDES:

Both models come with an extra polyethylene work tray that can be secured to cabinet top as an additional work surface and two labels for end user: "Base" or "ACID."

WARRANTY:

Ten years.

COMPLIANCE:

Comply with OSHA and NFPA™ requirements.

CERTIFICATIONS:

FM approved.



19-159-704

| Capacity | D x W x H | Mfr. No. | Cat. No. | Quantity |
|-------------------------|--|----------|-------------------|----------|
| Two Manual Doors | | | | |
| 30 gal. (114L) | 18 x 43 x 44 in. (46 x 109 x 112cm) | 8930022 | 19-159-704 | Each |

| Capacity | D x W x H | Mfr. No. | Cat. No. | Quantity |
|-------------------------------|--|----------|-------------------|----------|
| Two Self-Closing Doors | | | | |
| 30 gal. (114L) | 18 x 43 x 44 in. (46 x 109 x 112cm) | 8930222 | 19-159-819 | Each |

Youngstown Barrel & Drum Plastic Tight Head Drums

High-density polyethylene containers for transport of hazardous solids or liquids

- Made of chemical-resistant high-density polyethylene
- Tight-head drums for transport of hazardous liquids

| Capacity | UN Markings | O.D. x O.H | Mfr. No. | Cat. No. | Quantity |
|--------------------|-----------------|----------------------|----------|-------------------|----------|
| Translucent | | | | | |
| 55 gal. | UN 1H1/Y1.9/150 | 23.3 in. x 35.2 in. | 1419 | 18-120-237 | Each |
| Blue | | | | | |
| 15 gal. | UN 1H1/Y1.8/100 | 14.2 in. x 26.25 in. | 1420-M | 19-058-099 | Each |
| 30 gal. | UN 1H1/Y1.8/100 | 19.25 in. x 29 in. | 1395-M | 19-058-098 | Each |
| 55 gal. | UN 1H1/Y1.9/100 | 23.3 in. x 34.8 in. | 1295-M | 19-058-096 | Each |
| Natural | | | | | |
| 15 gal. | UN 1H1/Y2.0/150 | 16 in. x 20.6 in. | 1410 | 18-120-238 | Each |
| 15 gal. | UN 1H1/Y1.8/100 | 14.2 in. x 26.25 in. | 1422-M | 19-058-100 | Each |
| 30 gal. | UN 1H1/Y1.8/100 | 19.25 in. x 29 in. | 1394-M | 19-058-097 | Each |
| 55 gal. | UN 1H1/Y1.9/100 | 23.3 in. x 34.8 in. | 1269-M | 19-058-095 | Each |



19-058-100

Youngstown Barrel & Drum Ultra-SpillDeck™ Bladder Systems

Hidden containment bladder automatically unfurls to capture large spills or drum leaks

- Large catastrophic leaks flow into the bladder through a bulkhead fitting
- Protective “trap door” opens automatically, allowing bladder to unfurl
- Rugged, double polyethylene bladder allows 66 gal. (250L) of containment
- Overspills and small leaks are captured in the the sump of the SpillDeck
- Low profile 5.75 in. (14.6cm) deck height allows drums to be “jockeyed” onto SpillDeck Systems without the use of drum handling equipment

ORDERING INFORMATION:

Available in one or two drum models.

COMPLIANCE:

Meets SPCC, EPA Container Storage Regulation 40 CFR 264.175 and UFC Spill Containment Regulations.

NOTES:

SpillDeck Bladder Systems require adequate aisle space to allow the bladder to unfurl properly.



19-058-005

| Fits Pallet Size | Load Capacity | Containment Capacity | Sump Capacity | L x W x H | Weight | Mfr. No. | Cat. No. | Quantity |
|------------------|-------------------|----------------------|----------------|--|-----------------|----------|------------|----------|
| 1 Drum | 1500 lb. (680kg) | 77 gal. (291L) | 77 gal. (291L) | 25.88 x 30.5 x 5.75 in. (65.7 x 77.5 x 14.6cm) | 27 lb. (12.3kg) | 1320 UT | 19-058-005 | Each |
| 2 Drum | 3000 lb. (1360kg) | 88 gal. (333L) | 88 gal. (333L) | 52 x 30.5 x 5.75" (132 x 77.5 x 14.6cm) | 44 lb. (20kg) | 2329 UT | 19-058-029 | Each |

Spill Control

Fisherbrand® Chemical Green Absorbent Pillow

Chemically inert and does not react with aggressive fluids

Chemical absorbent pillows are ideal way to provide extra protection during packaging and transport.



19-140-921

- Designed for absorption of wide range of chemicals, including hydrofluoric acid
- Material: Surfactant-treated polypropylene
- Green
- Environmentally-friendly

COMPLIANCE: OSHA 29 CFR 1910.22(a)(2); EPA 40 CFR 112.7(c)(1)(vii); OSHA 29 CFR 1910,120(j)(1)(vii).

| Description | Cat. No. | Quantity |
|---------------------------------|------------|-------------|
| Chemical Green Absorbent Pillow | 19-140-921 | 32 per case |

Fisherbrand® Chemical Green Absorbent Sock

Chemically inert and does not react with aggressive fluids

Chemical absorbent socks (SOCs) are made of surfactant-treated polypropylene and can be used on wide range of chemicals, acids and bases, including hydrofluoric acid.



19-140-920

- Material: Surfactant-treated polypropylene
- Green
- Environmentally-friendly
- Flexible design to easily mold around spills
- Different sizes to fit containment needs

COMPLIANCE: OSHA 29 CFR 1910.22(a)(2); EPA 40 CFR 112.7(c)(1)(vii); OSHA 29 CFR 1910,120(j)(1)(vii).

| Description | Cat. No. | Quantity |
|-------------------------------|------------|-------------|
| Chemical Green Absorbent Sock | 19-140-920 | 12 per case |

Fisherbrand® Chemical Yellow Absorbent Pad

Color-coded for easy identification of different types of spills and hazards

Chemical absorbents pads are ideal spill response for chemicals like citric acid, hydrofluoric acid, sodium hydroxide and many other chemicals.



19-140-918

- Material: Polypropylene
- Yellow
- Three-ply layer
- Fire-resistant

COMPLIANCE: OSHA 29 CFR 1910.22(a)(2); EPA 40 CFR 112.7(c)(1)(vii); OSHA 29 CFR 1910,120(j)(1)(vii).

| Description | Cat. No. | Quantity |
|-------------------------------|------------|--------------|
| Chemical Yellow Absorbent Pad | 19-140-918 | 100 per case |

Fisherbrand® Chemical Yellow Absorbent Roll

Color-coded for easy identification of different types of spills and hazards

Chemical absorbents rolls are ideal spill response for chemicals like citric acid, hydrofluoric acid, sodium hydroxide and many other chemicals.

- Material: Polypropylene
- Yellow
- Three-ply layer
- Fire-resistant

COMPLIANCE:

OSHA 29 CFR 1910.22(a)(2);
EPA 40 CFR 112.7(c)(1)(vii); OSHA 29 CFR 1910.120(j)(1)(vii).

19-140-919



| Description | Cat. No. | Quantity |
|--------------------------------|------------|----------|
| Chemical Yellow Absorbent Roll | 19-140-919 | Each |

Fisherbrand® Acid Neutralizing Spill Kit

An effective spill response solution in an easy-to-use kit

- Container Type: Polyethylene bucket
- Absorbency Capacity: 19L (5 gal.)
- White

INCLUDES:

One 2 lb. shaker of acid neutralizer, ten pads (15 × 19 in.), three socks, one pair of nitrile gloves, one pair goggles, two disposal bags.

19-140-935



COMPLIANCE: OSHA 29 CFR 1910.22(a)(2); EPA 40 CFR 112.7(c)(1)(vii); OSHA 29 CFR 1910.120(j)(1)(vii).

| Description | Cat. No. | Quantity |
|-----------------------------|------------|----------|
| Acid Neutralizing Spill Kit | 19-140-935 | Each |

Fisherbrand® Base Neutralizing Spill Kit

An effective spill response solution in an easy-to-use kit



19-140-936

- Container Type: Polyethylene bucket
- Absorbency Capacity: 19L (5 gal.)
- White

INCLUDES:

One 2 lb. Shaker of Base Neutralizer, 10 pads (15 × 19 in.), three socks, one pair of nitrile gloves, one pair goggles, two disposal bags.

COMPLIANCE: OSHA 29 CFR 1910.22(a)(2); EPA 40 CFR 112.7(c)(1)(vii); OSHA 29 CFR 1910.120(j)(1)(vii).

| Description | Cat. No. | Quantity |
|-----------------------------|------------|----------|
| Base Neutralizing Spill Kit | 19-140-936 | Each |

Fisherbrand® Combo Spill Kit

An effective spill response solution in an easy-to-use kit



19-140-941

- Container Type: Polyethylene bucket
- Absorbency Capacity: 38L (10 gal.)
- White

INCLUDES:

10 pads, three socks, one 2 lb. shaker of acid neutralizer, one 2 lb. shaker of base neutralizer, three socks, one dust pan, one pair of nitrile gloves, one pair of goggles, instruction sheet.

COMPLIANCE: OSHA 29 CFR 1910.22(a)(2); EPA 40 CFR 112.7(c)(1)(vii); OSHA 29 CFR 1910.120(j)(1)(vii).

| Description | Cat. No. | Quantity |
|-----------------|------------|----------|
| Combo Spill Kit | 19-140-941 | Each |

Fisherbrand® 17 gal. Chemical Spill Kit

An effective spill response solution in an easy-to-use kit



19-140-937

- Container Type: Polyethylene drum
- Absorbency Capacity: 64.3L (17 gal.)
- Yellow

INCLUDES:

12 pads, three socks, two pillows, one pair of goggles, one pair of nitrile gloves, three disposal bags, handbook.

COMPLIANCE:

UN Approved; OSHA 29 CFR 1910.22(a)(2); EPA 40 CFR 112.7(c)(1)(vii); OSHA 29 CFR 1910.120(j)(1)(vii).

| Description | Cat. No. | Quantity |
|--------------------|------------|----------|
| Chemical Spill Kit | 19-140-937 | Each |

Fisherbrand® 38 gal. Chemical Spill Kit

An effective spill response solution in an easy-to-use kit



19-140-938

- Container Type: Polyethylene drum
- Absorbency Capacity: 143.8L (38 gal.)
- Yellow

INCLUDES: 50 pads, four socks, eight pillows, one pair of goggles, one pair of nitrile gloves, five disposal bags, handbook.

COMPLIANCE: UN Approved; OSHA 29 CFR 1910.22(a)(2); EPA 40 CFR 112.7(c)(1)(vii); OSHA 29 CFR 1910.120(j)(1)(vii).

| Description | Cat. No. | Quantity |
|--------------------|------------|----------|
| Chemical Spill Kit | 19-140-938 | Each |

Matting

Wearwell™ UltraSoft Diamond-Plate Mat

Antifatigue mat designed for ultimate comfort and performance

- For heavy use areas, mats resist abrasion and most chemical spills
- Double thick sponge base made from 0.94 in. (2.4cm) immediate recovery Nitricell™ sponge
- Specially formulated blend of nitrile rubber and PVC

| Color | Mfr. No. | Cat. No. | Quantity |
|--------------------------------|------------------|-------------|----------|
| 2 x 3 ft. (61 x 91cm) | | | |
| Black/Yellow | 414 1516X2X3BYL | 19-042-228 | Each |
| Gray | 414 1516X2X3GY | 19-042-229 | Each |
| Black | 414 1516X2X3BK | 19-042-230 | Each |
| 3 x 5 ft. (91 x 152cm) | | | |
| Black/Yellow | 414 1516X3X5BYL | 19-042-225 | Each |
| Gray | 414 1516X3X5GY | 19-042-226 | Each |
| Black | 414 1516X3X5BK | 19-042-227 | Each |
| 3 x 10 ft. (91 x 305cm) | | | |
| Black/Yellow | 414 1516X3X10BYL | 19-150-0082 | Each |
| Gray | 414 1516X3X10GY | 19-150-0092 | Each |
| Black | 414 1516X3X10BK | 19-150-0081 | Each |



- Slip resistant, diamond embossed vinyl surface resists chemicals, abrasion and fire
- All edges are beveled for safety and convenience
- Recycled: Item contains recycled content



19-042-225

ORDERING INFORMATION:

Optional colored borders available for maximum safety awareness. Contact your Fisher Scientific Customer Service Representative.

WARRANTY: Three year conditional.

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|---|----------|
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| (+)-Limonene..... | 100, 107 |
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MISCELLANEOUS: (a) Buyer may not delegate any duties nor assign any rights or claims hereunder without Seller's prior written consent, and any such attempted delegation or assignment shall be void. (b) The rights and obligations of the parties hereunder shall be governed by and construed in accordance with the laws of the Commonwealth of Pennsylvania, without reference to its choice of law provisions. Each party hereby irrevocably consents to the exclusive jurisdiction of the state and federal courts located in Allegheny County, Pennsylvania, USA, in any action arising out of or relating to this Agreement and waives any other venue to which it may be entitled by domicile or otherwise. (c) In the event of any legal proceeding between the Seller and Buyer relating to this Agreement, neither party may claim the right to a trial by jury, and both parties waive any right they may have under applicable law or otherwise to a right to a trial by jury. Any action arising under this Agreement must be brought within one (1) year from the date that the cause of action arose. (d) The application to this Agreement of the U.N. Convention on Contracts for the International Sale of Goods is hereby expressly excluded. (e) In the event that any one or more provisions contained herein shall be held by a court of competent jurisdiction to be invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein shall remain in full force and effect, unless the revision materially changes the bargain. (f) Seller's failure to enforce, waiver of a breach of, any provision contained herein shall not constitute a waiver of any other breach. (g) Unless otherwise expressly stated in the Product documentation, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to humans or animals. (h) Fisher shall cooperate with Customer to monitor invoicing accuracy and will conduct appropriate internal reviews upon request. Reviews shall be limited to once per year and cover the prior twelve month period. Credit shall be given to undercharges and overcharges. Fisher may charge a reasonable fee for support provided to any external consultant utilized by Buyer. (i) Buyer agrees that all pricing, discounts Seller generated histories of sale and technical information that Seller provides to Buyer are the confidential and proprietary information of Seller. Buyer agrees to (1) keep such information confidential and not disclose such information to any third party, and (2) use such information solely for Buyer's internal purposes and in connection with the Products supplied hereunder. Nothing herein shall restrict the use of information available to the general public (j) Any notice or communication required or permitted hereunder shall be in writing and shall be deemed received when personally delivered or three (3) business days after being sent by certified mail, postage prepaid, to a party at the address specified herein or at such other address as either party may from time to time designate to the other. (k) Seller may, in its sole discretion, provide (1) applicable Product training to Buyer or its employees, or (2) samples of Products to Buyer for distribution to patients of Buyer. Buyer agrees that any such samples shall be distributed to patients for patient use or, if not so distributed, returned to Seller. Buyer shall not use such samples to provide care to patient and shall not bill patients or third party payers for the provision of such samples.

ACCEPTABLE PAYMENT METHODS: The Seller prefers to receive payment via ACH or other electronic interface methods that directly exchange funds between the Buyer's and Seller's bank accounts. The Seller also accepts checks mailed to one of its lockbox remittance locations. Although the Seller does accept credit card payments at the time of purchase, it does not accept credit card payments after the point of sale.

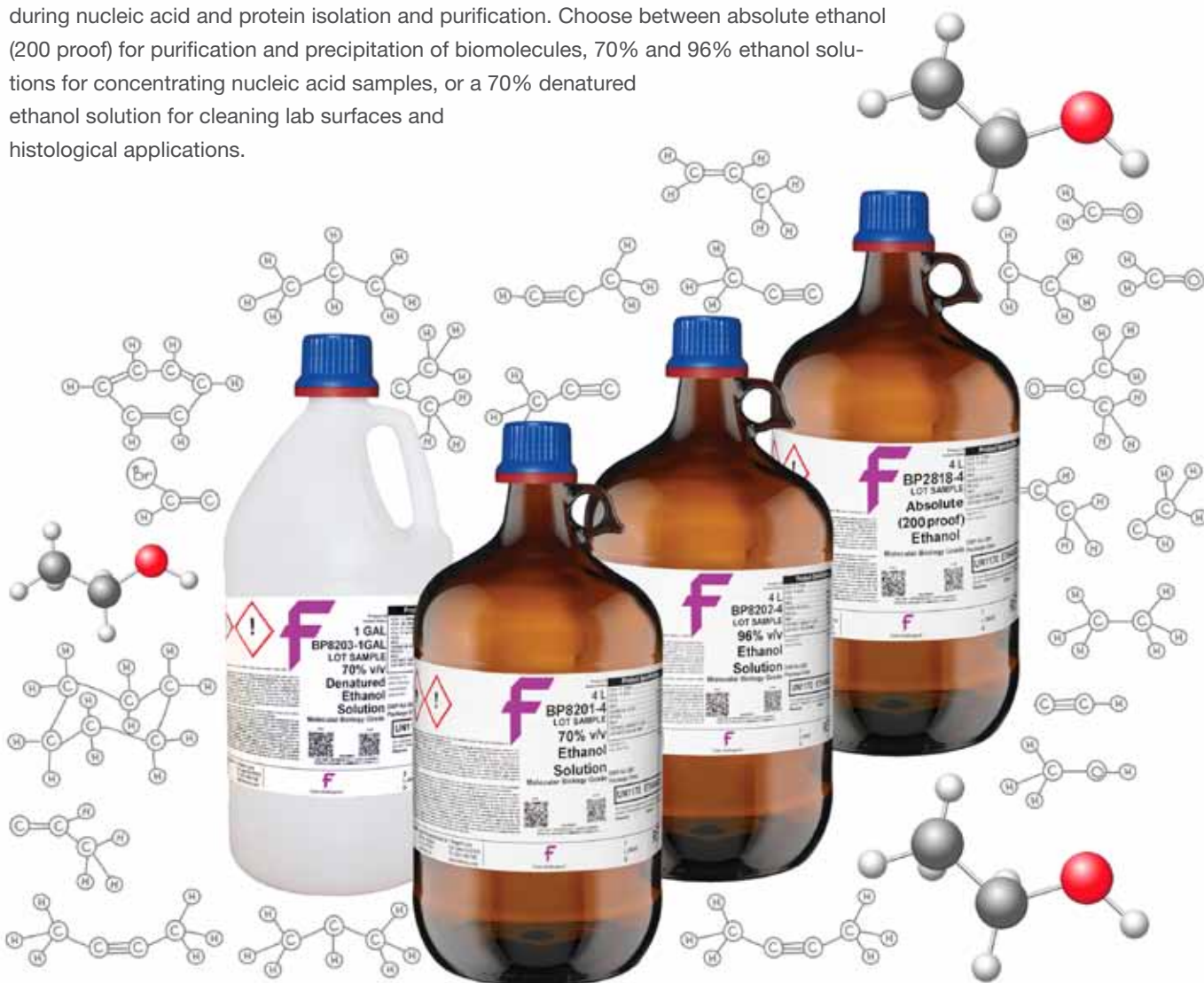
MEDICARE/MEDICAID REPORTING REQUIREMENTS: If Buyer is a recipient of Medicare/Medicaid funds, Buyer acknowledges that it has been informed of and agrees to fully and accurately account for, and report on its applicable cost report, the total value of any discount, rebate or other compensation paid hereunder in a way that complies with all applicable federal, state and local laws and regulations which establish "Safe Harbor" for discounts. Buyer shall make written request to Seller in the event Buyer requires additional information from Seller in order to meet its reporting requirements. Buyer acknowledges that agreement to such reporting requirement was a condition precedent to Seller's agreement to provide Products and that Seller would not have entered into this Agreement had Buyer not agreed to comply with such obligations.

Purify, Concentrate, Clean



Fisher BioReagents Ethanol Solutions

Fisher BioReagents ethanol is filtered at 0.2µm and tested for DNase, RNase and Protease to ensure absence of hydrolytic enzymes that can degrade target biomolecules during nucleic acid and protein isolation and purification. Choose between absolute ethanol (200 proof) for purification and precipitation of biomolecules, 70% and 96% ethanol solutions for concentrating nucleic acid samples, or a 70% denatured ethanol solution for cleaning lab surfaces and histological applications.



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