

Chromatography Solvents



GFS
CHEMICALS®

Critical Applications Require Accurate, Reliable and Reproducible Results.

GFS Chemicals focuses on high purity solvents because we know your critical applications require accurate, reliable and reproducible results. Our raw materials are quality control tested throughout the purification process to ensure the first and last bottle are the same. Products are micron filtered to ensure low baseline noise and eliminate potential pump blockages.

GFS Chemicals' high purity solvents are application and function tested to ensure lot-to-lot consistency, for the confidence you can trust.

Key Applications.


- HPLC Analysis
- LC-MS Analysis
- GC Analysis
- Residue Analysis
- Purge & Trap
- EPA Method 1664A
- Mobile Phases & Additives



HPLC

Products that are designed to provide accurate & consistent results in your HPLC Techniques.

These products are tested for assay, water, residue upon evaporation and UV absorbance in critical ranges.



2481	Acetone, HPLC
2482	Acetonitrile, HPLC, Gradient Grade
1859	Carbon Disulfide, HPLC (Low Benzene)
2495	Cyclohexane, HPLC
2484	Dichloromethane, HPLC, Amylene Stabilized
2488	Ethyl Acetate, HPLC
2585	Formic Acid Superior, HPLC
2487	Heptane, HPLC
2497	Hexanes, HPLC
2489	Isopropyl Alcohol, HPLC
2483	Methyl Alcohol, HPLC
5572	Methyl Ethyl Ketone, HPLC
2490	Methyl Tert Butyl Ether, HPLC
2491	n-Pentane, HPLC
5811	Sodium Acetate, Anhydrous, HPLC
5656	Tetrahydrofuran, HPLC, BHT Stabilized
2492	Tetrahydrofuran, HPLC, No BHT Stabilizer
2493	Toluene, HPLC
2494	2,2,4 Trimethylpentane, (iso-octane), HPLC
1963	Water, HPLC (deionized)

LCMS Products.

As instrumentation advances continue to lead to lower detection limits, it is critical to choose products designed to meet these limits. Additional purification processes ensure our products achieve the required purity levels for LCMS. They are tested by LCMS in positive and negative mode, metals tested (50 ppb max) to ensure low adduct formation and to minimize variability.

LCMS

LCMS & Mobile Phases & Additives

5845	Acetic Acid, LC-MS
5563	Acetonitrile, LC-MS (Veritas Ultimate)
5851	Ammonium Acetate, LC-MS
5855	Ammonium Bicarbonate, LC-MS
5850	Ammonium Formate, LC-MS
5849	Ammonium Hydroxide Solution 25%, LC-MS
5848	Formic Acid, LC-MS
5570	Methanol, LC-MS (Veritas Ultimate)
5852	Trifluoroacetic Acid, LC-MS
5853	Triethylamine, LC-MS
5613	Water, LC-MS (Veritas Ultimate)
5634	Water with 0.1% Acetic Acid, LC-MS (Veritas Ultimate)
5635	Water with 0.1% Ammonium Hydroxide, LC-MS (Veritas Ultimate)
5614	Water with 0.1% Formic Acid, LC-MS (Veritas Ultimate)
5615	Water with 0.1% Trifluoroacetic Acid, LC-MS (Veritas Ultimate)

GC & Residue Analysis

Solvents designed for Gas Chromatography are specifically function tested and suitable to the ppt/ppb level on ECD and/or FID detection systems.

5562	Acetone, GC, Residue, HPLC (Veritas Ultimate)
1234	Chloroform GC, Residue, HPLC (Veritas Ultimate), Amylene Stabilized
3778	Chloroform GC, Residue, HPLC (Veritas Ultimate), Ethanol Stabilized
5564	Cyclohexane GC, Residue, HPLC (Veritas Ultimate)
5565	Dichloromethane, GC, Residue, HPLC (Veritas Ultimate), Amylene Stabilized
5566	Ethyl Acetate GC, Residue, HPLC (Veritas Ultimate)
1238	Ethyl Ether GC, Residue, HPLC (Veritas Ultimate)
5569	Isopropyl Alcohol, GC, Residue, HPLC (Veritas Ultimate)
5880	Methyl Alcohol GC, Residue
5567	n-Heptane GC, Residue, HPLC (Veritas Ultimate)
5568	n-Hexane GC, Residue, HPLC (Veritas Ultimate)
5574	n-Pentane, Residue Grade (Veritas Ultimate)
5575	Petroleum Ether 35/60 GC, Residue, HPLC (Veritas Ultimate)
5576	Tetrahydrofuran (THF), No BHT Stabilizer (Veritas Ultimate)
5577	Toluene GC, Residue, HPLC (Veritas Ultimate)
5578	2,2,4 Trimethylpentane GC, Residue, HPLC (Veritas Ultimate)

Special Application Solvents

Purge & Trap

Specialty tested for trace volatile organics that could interfere with the purge and trap analysis.

1995	Methyl Alcohol, Veritas Ultimate, For Purge and Trap
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EPA 1664A Method

Specialty grade of hexane to meet 85% min. n-hexane and low residue for EPA 1664A.

5328	Hexanes, EPA 1664A
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Ultimate™ Ultrapure Water

Produced and bottled in an ISO 4 environment, meets ASTM Type 1 water requirements, each lot is analyzed for 65 impurities. GFS Chemicals' new ultrapure water and acids will minimize the variability in your results and decrease instrument and sample contamination.

Applications:

- Microwave digestion.
- ICP-MS, GC, and HPLC sample dilution.
- Blank and standards preparation.
- Mobile phase preparation.
- Buffer and reagent preparation for biochemical assays.

COA At A Glance:

Arsenic	0-10 ppt
Cadmium	0-10 ppt
Chromium	0-10 ppt
Lead	0-10 ppt
Mercury	0-20 ppt
Resistivity	>18.2 MΩ-cm
Conductivity	<0.056 μS/cm
TOC	<50 ppb

Catalog:

Item #	Product
7290	Veritas Ultimate Ultrapure Water



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