ProductLine*Overview*

J.T.Baker® High Purity Solvents and Reagents – Ultra LC/MS, LC/MS and HPLC

The Avantor™ high purity solvents and reagents will give you the performance you need with minimal risk of contaminants that can limit accuracy and productivity and maximize the sensitivity and detecting power of your instrumentation.

Obtain high selectivity, reproducibility and accuracy of results from pure, trusted chromatography solvents from Avantor Performance Materials. Our J.T.Baker® solvents support virtually every form of chromatography in common use today.

J.T.Baker brand chemicals and reagents help you optimize your performance providing application-optimized and function tested products that will enhance the separation power and reproducibility.

Ultra LC/MS and LC/MS Solvents and Solvent Blends

Our ULTRA LC/MS grade is ideal for cutting-edge applications such as proteomics, pharmacokinetics, clinical research and drug discovery. Developed by a leader and pioneer in chromatography products, ULTRA LC/MS are suitable for applications like method development and method transfer.

Designed to meet the needs of the world's most demanding UHPLC and LC/MS research and analytical testing applications (including proteomics, drug discovery pharmacokinetics and clinical research), ULTRA LC/MS can significantly extend the useful life of UHPLC columns and optimize your mobile phase operations through minimization of particles and metal adduct formation. Ultra LC/MS solvents are suitability tested for function-applicable mass spectrometry with both electrospray positive and negative modes.

For more routine applications, our LC/MS solvents and blends are function-tested and optimized for minimal impurities and interference-free baselines, giving you performance you can trust in the mobile phase -- every time.

LC/MS solvents are tested for ESI+, UV-VIS absorbance, trace metals, residue after evaporation, assay and overall LC/MS suitability.

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Ultra LC/MS and LC/MS Solvents

Description	Product Number
Ultra LC/MS Solvents	
Acetonitrile, Schott DURAN® Borosilicate glass bottle	9853
Methanol , Schott DURAN® Borosilicate glass bottle	9863
Water, Schott DURAN® Borosilicate glass bottle	9823
LC/MS Solvents	
Acetonitrile	9821
Methanol	9822
Water	9825
2-Propanol	9827
Ethylacetate	9828

LC/MS Solvent Blends and Acids

Description	Product Number
LC/MS Blends	
0.1% Formic Acid in Acetonitrile	9824
0.1% Formic Acid in Water	9826
0.1% Trifluoroacetic Acid in Acetonitrile	9837
0.1% Trifluoroacetic Acid in Water	9838
LC/MS Acids	
Formic Acid -10 x 1ml ampoules and 2 x 1ml ampoules	9820
Trifluoroacetic acid – 4l; 1l; 70ml; 10 x 1ml ampoules and 2 x 1ml ampoules	9810

HPLC Solvents and Reagents

Get rapid, reproducible performance and separation with application-optimized, function-tested HPLC reagents and solvents - the most frequently used in research and quality control analytical applications. Our HPLC solvents maximize throughput and ease-of-use without sacrificing efficiency or reproducibility. Our solvents and modifiers also help you get optimum performance from sensitive instrumentation. Low backgrounds free of extraneous peaks

- Low backgrounds free of extraneous peaks
- Low UV absorbance in critical ranges - assured through UV absorbance testing at a variety of points and through gradient elution testing
- Fluorescence testing for trace impurities which would cause interference
- Function-tested for: assay, water, minimal residue after evaporation and UV absorbance and fluorescence in critical ranges
- Lot to lot consistency
- Innovative packaging options to assure solvent quality to the point-of-use

J.T.Baker BAKER ANALYZED HPLC Solvents

Description	Product Number
Acetone	8142; 9002
Acetone, Low Water	9003
Acetonitrile	8257
Acetonitrile, Far UV gradient grade	9012
Acetonitrile, Ultra Gradient Grade	9017
Chloroform, Hydrocarbon Stabilized	9174

Continue J.T.Baker BAKER ANALYZED HPLC Solvents

Description	Product Number
Chloroform	9175
Cyclohexane	9292
o-Dichlorobenzene	9233
Ether, Anhydrous	9237
Ethyl Acetate	9282
n-Heptane	9177
Hexanes (95% n-hexane)	9304
Isobutyl Alcohol	9048
Methanol	8404
Methanol, ultra gradient grade	8402; 9093
Methyl tert-Butyl Ether	9042
Methylene Chloride	9314
Methyl Ethyl Ketone	9214
Pentane	9331
2-Propanol	9095
Pyridine, Low Water	9393
Tetrahydrofuran	9441
Tetrahydrofuran (Stabilized)	9440
Tetrahydrofuran, Low Water	9439
1,2,4-Trichlorobenzene	9444
2,2,4-Trimethylpentane	9480
Water	4218

Specialized Reagents to Optimize Your HPLC, UHPLC and LC/MS Applications

Achieve a unique breadth of diverse rapid, reproducible separations capabilities - for any scale or method - from a leader in HPLC reagents and chromatography products for a wide range of chemistries.

Acids, buffers and ion pair reagents enhance the usefulness of your analytical technique. To assure suitability, these reagents are controlled for performance characteristics including:

- Solubility in aqueous and organic solutions
- UV transparency for optimum sensitivity
- Metallic impurities that can affect biological activity

J.T.Baker HPLC Acids, Salts and Ion-Pair Reagents

Description	Product Number
Acids	
Trifluoroacetic Acid	9470
Acetic Acid, Glacial	9515
Salts	
Ammonium Acetate	0390; 0599
Ammonium Carbonate	0391; 0651
Ammonium Dihydrogen Phosphate	0392; 0777
Sodium Acetate Trihydrate	0393; 3469
Sodium Hydrogen Carbonate	0394; 3508
Ion-Pair Reagents	
1-Heptanesulfonic Acid Sodium Salt	2173
1-Hepxanesulfonic Acid Sodium Salt	2175
1-Octanesulfonic Acid Sodium Salt	2818
1-Pentanesulfonic Acid Sodium Salt Monohydrate	2841
Tetrabutylammonium Hydrogen Sulfate (98%)	2846; V360
Tetrabutylammonium Hydroxide, Titrant (0.4M in H_2O)	2843; V365
Tetrabutylammonium Hydroxide in Water	9580
Tetrabutylammonium Phosphate	2842; V375

ISO Phillipsburg, NJ 9001:2008 & 14001:2004
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, the Netherlands 9001:2008 & 14001:2004 & 13485:2003
Selangor, Malaysia 9001:2008

About Avantor™ Performance Materials

Avantor Performance Materials manufactures and markets high-performance chemistries and materials around the world under several respected brand names, including the J.T.Baker®, Macron Fine Chemicals™, Rankem™, Diagnova™, BeneSphera™, and POCH™ brands.

Avantor products are used in a wide range of industries. Our biomedical and life science solutions are used in academic, industry and quality control laboratories for research, pharmaceutical production and medical lab testing, while our electronics solutions are used in the manufacturing of semiconductors and flat panel displays. Based in Center Valley, Pennsylvania (USA), Avantor is owned by an affiliate of New Mountain Capital, LLC.

For additional information please visit ***www.avantormaterials.com*** *or follow* ***www.twitter.com/avantor_news***

J.T.Baker®

Part of AVANTOR™ PERFORMANCE MATERIALS

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AskAvantor™
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www.avantormaterials.com/askavantor

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