

Solvents for HPLC
and Spectroscopy
that meet
the highest
requirements
in quality

PanReac 
AppliChem
ITW Reagents



Solvents for HPLC and Spectroscopy that meet the highest requirements in quality

The range of solvents for HPLC and spectroscopy is specifically designed to be used in the modern methods of Instrumental Analysis, as multipurpose solvents. These products are strictly controlled in our analytical laboratory. Our quality control includes the IR spectrum to confirm the aptitude for IR spectroscopy. We check the ultraviolet spectrum to confirm the quality level (high Transmittance) required in HPLC and UV spectroscopy applications. We also guarantee a high assay level (most solvents are 99.9%) and a very low level of evaporation residue and water contents. These parameters are very important in HPLC. All these solvents are microfiltered (0.2 microns) to guarantee the minimum particles level. In order to maintain an optimum quality level during storage and for a better conservation, all these solvents are bottled under nitrogen atmosphere.

Gradient HPLC/UHPLC Solvents

Since work in gradient mode is commonly used in HPLC analysis, we offer Gradient HPLC quality solvents. All these solvents are controlled in our analytical laboratories by the gradient assay, modifying the proportion of the solvent with water. Changing the polarity of the mobile phase leads to the retention of the possible impurities of the solvent on column head and then they are eluted when the polarity of the mobile phase is changed again. The chromatographic profile must not show any peak with height greater than the specified in technical data sheet. We offer improved specifications of HPLC gradient quality Acetonitrile, Methanol and Water so that they are adequate for use in UHPLC.

LC-MS Solvents

If LC-MS technique is required, our new range of LC-MS solvents also meets:

- Very low metals concentration (<100 ppb, such as sodium and potassium) that could form clusters and, therefore, difficult the correct determination of the molecular ion.
- Suitability for LC-MS: No signal is higher than the molecular peak of the reserpine (609 amu) at a concentration of 50 ppb, in a range from 200 to 2000 amu.

Hypergradient-HPLC Solvents

These solvents are strictly controlled for their use in PAHs (Polycyclic aromatic hydrocarbons) and pesticide analysis. After performing a mobile phase gradient, any peak should not be detected in the UV, or in the fluorescence spectra at specific wavelengths.

Our standard packings are 1 l and 2.5 l (glass) and 5 l (aluminium). We can supply all these high purity solvents in returnable stainless steel drums of several sizes. Please don't hesitate to contact us for more information. The HPLC and Spectroscopy range of products also includes the most usual ion pair reagents in HPLC.

You can find detailed specifications of these products in our General Catalogue or in www.panreac.com.

The following table is our program of high purity solvents for HPLC and Spectroscopy.



Code	Description	Package						
		1 L	2.5 L	4 L	5 L	10 L	25 L	30 L
Solvents for HPLC and Spectroscopy (UV-IR)								
361007	Acetone for UV, IR, HPLC, GPC, ACS							
361881	Acetonitrile for UV, IR, HPLC, ACS							
261881	Acetonitrile for HPLC preparative							
361192	Benzene for UV, IR, HPLC, GPC, ACS							
361082	1-Butanol for UV, IR, HPLC							
361429	Butanone (Methylethylketone) for UV, IR, HPLC							
363312	tert-Butyl Methyl Ether for UV, IR, HPLC							
361244	Carbon Disulfide for UV, IR, HPLC							
364343	1-Chlorobutane for UV, IR, HPLC							
361250	Cyclohexane for UV, IR, HPLC, ACS							
361286	1,2-Dichloroethane for UV, IR, HPLC, GPC							
361254	Dichloromethane stabilized with ~20 ppm of amylene for UV, IR, HPLC, GPC, ACS							
362551	Diethyl Ether stabilized with ethanol for UV, IR, HPLC							
363145	N,N-Dimethylacetamide for UV, IR, HPLC							
361785	N,N-Dimethylformamide for UV, IR, HPLC, GPC, ACS							
361954	Dimethyl Sulfoxide for UV, IR, HPLC, GPC							
361296	1,4-Dioxan stabilized with ~ 2 ppm of BHT for UV, IR, HPLC							
361086	Ethanol absolute for UV, IR, HPLC							
361085	Ethanol 96% v/v for UV, IR, HPLC							
361318	Ethyl Acetate for UV, IR, HPLC-ACS							
362062	n-Heptane for UV, IR, HPLC							
363242	n-Hexane 95% for UV, IR, HPLC, ACS							
362063	n-Hexane for UV, IR, HPLC							
361347	Hexane, alkanes mixture for HPLC							
365261	Isohexane for UV, HPLC							
362064	Isooctane for UV, IR, HPLC, ACS							
363501	Isopentane for UV, IR, HPLC							
361091	Methanol for UV, IR, HPLC, ACS							
261091	Methanol for HPLC preparative							
362006	n-Pentane for UV, IR, HPLC							
361315	Petroleum Ether 40-60°C for UV							
361885	1-Propanol for UV, IR, HPLC							
361090	2-Propanol for HPLC							
261090	2-Propanol for HPLC preparative							
365732	Propionitrile for UV, HPLC							
361455	Tetrachloroethylene for UV, IR, HPLC, GPC							
361736	Tetrahydrofuran for UV, IR, HPLC, GPC							
361745	Toluene for UV, IR, HPLC, GPC, ACS							
363541	1,2,4-Trichlorobenzene for UV, IR, HPLC, GPC							
363101	Trichloromethane stabilized with ~ 150 ppm of amylene for HPLC, GPC							
361252	Trichloromethane stabilized with ethanol for UV, IR, HPLC							
363266	1,1,2-Trichlorotrifluoroethane for UV, IR, HPLC (E.U.)							
361074	Water for UV, HPLC, ACS							
IR Reagents								
				100 g	250 g/mL	2.5 L	4 L	
331489	Potassium Bromide for IR							
331455	Tetrachloroethylene for IR							
331003	Vaseline Oil for IR							
Gradient HPLC / UHPLC Solvents								
		1 L	2.5 L	4 L	5 L	10 L	25 L	30 L
221881	Acetonitrile for UHPLC Supergradient, ACS							
221086	Ethanol absolute for HPLC gradient							
221091	Methanol for UHPLC Supergradient, ACS							
221090	2-Propanol for HPLC gradient							
221074	Water for UHPLC Supergradient							
LC-MS Solvents								
				1 L	2.5 L	30 L		
701881	Acetonitrile for LC-MS							
701091	Methanol for LC-MS							
701074	Water for LC-MS							
Hypergradient HPLC Solvents								
						1 L	2.5 L	
721881	Acetonitrile for UHPLC Hypergradient							
721091	Methanol for UHPLC Hypergradient							
Phase modifiers								
		5 mL	10 mL	25 mL	100 mL	250 mL	1 L	2.5 L
361008	Acetic Acid glacial for HPLC							
363317	Trifluoroacetic Acid for UV							
Ion pairing reagents								
				10 g	25 g	50 g	500 g	
365769	1-Butane Sulfonic Acid Sodium Salt for HPLC							
367127	1-Decane Sulfonic Acid Sodium Salt for HPLC							
364897	1-Heptane Sulfonic Acid Sodium Salt for HPLC							
363428	1-Hexane Sulfonic Acid Sodium Salt for HPLC							
363995	1-Octane Sulfonic Acid Sodium Salt for HPLC							
364896	1-Pentane Sulfonic Acid Sodium Salt for HPLC							
362363	SDS for HPLC							
367038	Tetrabutylammonium di-Hydrogen Phosphate for HPLC							
363622	Tetrabutylammonium Hydrogen Sulfate for HPLC							

Packaging symbols: Glass bottle Aluminium bottle Stainless steel drum

Because of the continuous updating of our catalog of products and presentations, kindly confirm product availability, through our website.



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