

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

PanReac 
AppliChem
ITW Reagents



Reagents 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.itwreagents.com.

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



Code	Description	Package								
		1 L	2.5 L	4 L	5 L	10 L	25 L	30 L	1000 L	
Solvents for HPLC and Spectroscopy (UV-IR)										
361007	Acetone for UV, IR, HPLC, GPC, ACS	☞	☞	☞		☒		☒		
361881	Acetonitrile for UV, IR, HPLC, ACS	☞	☞	☞	☒		☒		☒	
361710	Acetonitrile with 0.1% (v/v) of Trifluoroacetic Acid for HPLC							☒		
361192	Benzene for UV, IR, HPLC, GPC, ACS	☞								
361082	1-Butanol 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	☞	☞							
363101	Chloroform stabilized with ~ 150 ppm of amylene for HPLC, GPC	☞	☞							
361252	Chloroform stabilized with ethanol 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	☞	☞							
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 - Mixture of isomers for UV-HPLC		☞							
362064	Isooctane for UV, IR, HPLC, ACS	☞	☞	☞						
361091	Methanol for UV, IR, HPLC, ACS	☞	☞	☞	☒		☒	☒	☒	
267148	Mixture Acetonitrile/Methanol 1:1 v/v for HPLC preparative							☒		
362006	n-Pentane for UV, IR, HPLC	☞	☞							
361885	1-Propanol for UV, IR, HPLC	☞	☞							
361090	2-Propanol for HPLC	☞	☞	☞						
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	☞	☞	☞						
363266	1,1,2-Trichlorotrifluoroethane (E.U.) for UV, IR, HPLC	☞	☞							
361074	Water for UV, HPLC, ACS	☞	☞							
367171	Water with 0.1% (v/v) of Trifluoroacetic Acid for HPLC							☒		
IR Reagents		100 g	250 g	250 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	200 L	1000 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	10 L						
701881	Acetonitrile for LC-MS		☞		☞			☒		
701091	Methanol for LC-MS		☞		☞					
701074	Water for LC-MS		☞		☞					
707188	Water with 0.1% Acetic acid for LC-MS				☞					
707187	Water with 0.1% Formic acid for LC-MS				☞					
Hypergradient HPLC Solvents						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	4 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-Decanesulfonic Acid Sodium Salt for HPLC			☞						
364897	1-Heptane Sulfonic Acid Sodium Salt for HPLC			☞						
367128	1-Heptane Sulfonic Acid Sodium Salt 1-hydrate for HPLC			☞						
363428	1-Hexane Sulfonic Acid Sodium Salt for HPLC			☞						
367129	1-Hexane Sulfonic Acid Sodium Salt 1-hydrate 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 container

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



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