

## Reagents for HPLC and spectroscopy

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 confirms:

- Aptitude for IR spectroscopy
- High transmittance
- High assay level (most solvents are 99.9%)
- Very low level of evaporation residue
- Very low water contents

All these solvents are microfiltered (0.2 µm) and bottled under nitrogen atmosphere.



### Solvents for HPLC and spectroscopy (UV-IR)

Product code	Product name	CAS number	Pack sizes
361007	Acetone for UV, IR, HPLC, GPC, ACS	67-64-1	1 L, 2.5 L, 4 L
361881	Acetonitrile for UV, IR, HPLC, ACS	75-05-8	2.5 L
367170	Acetonitrile with 0.1% (v/v) of Trifluoroacetic Acid for HPLC	75-05-8	30 L
361192	Benzene for UV, IR, HPLC, GPC, ACS	71-43-2	1 L
361082	1-Butanol for UV, IR, HPLC	71-36-3	1 L
363312	tert-Butyl Methyl Ether for UV, IR, HPLC	1634-04-4	2.5 L
361252	Chloroform stabilized with ethanol for UV, IR, HPLC	67-66-3	2.5 L
361250	Cyclohexane for UV, IR, HPLC, ACS	110-82-7	1 L, 2.5 L, 30 L
361254	Dichloromethane stabilized with ~ 20 ppm of amylene for UV, IR, HPLC, GPC, ACS	75-09-2	1 L, 2.5 L, 4 L
362551	Diethyl Ether stabilized with ethanol for UV, IR, HPLC	60-29-7	1 L
363145	N,N-Dimethylacetamide for UV, IR, HPLC	127-19-5	2.5 L
361785	N,N-Dimethylformamide for UV, IR, HPLC, GPC, ACS	68-12-2	1 L, 2.5 L, 30 L
361954	Dimethyl Sulfoxide for UV, IR, HPLC, GPC	67-68-5	1 L, 2.5 L
361086	Ethanol absolute for UV, IR, HPLC	64-17-5	1 L, 2.5 L, 4 L, 25 L
361085	Ethanol 96% v/v for UV, IR, HPLC	64-17-5	1 L
361318	Ethyl Acetate for UV, IR, HPLC, ACS	141-78-6	1 L, 2.5 L
362062	n-Heptane for UV, IR, HPLC	142-82-5	2.5 L
362063	n-Hexane for UV, IR, HPLC	110-54-3	1 L, 2.5 L
363242	n-Hexane 95% for UV, IR, HPLC, ACS	110-54-3	1 L, 2.5 L, 30 L
361347	Hexane, alkanes mixture for HPLC	92112-69-1	2.5 L
362064	Isooctane for UV, IR, HPLC, ACS	540-84-1	1 L, 2.5 L, 4 L
361091	Methanol for UV, IR, HPLC, ACS	67-56-1	2.5 L
362006	n-Pentane for UV, IR, HPLC	109-66-0	2.5 L
361885	1-Propanol for UV, IR, HPLC	71-23-8	1 L, 2.5 L
361090	2-Propanol for HPLC	67-63-0	1 L, 2.5 L, 4 L
365732	Propionitrile for UV, HPLC	107-12-0	1 L
361455	Tetrachloroethylene for UV, IR, HPLC, GPC	127-18-4	1 L, 2.5 L
361736	Tetrahydrofuran for UV, IR, HPLC, GPC	109-99-9	1 L, 2.5 L
361745	Toluene for UV, IR, HPLC, GPC, ACS	108-88-3	1 L, 2.5 L
361074	Water for UV, HPLC, ACS	7732-18-5	2.5 L



## IR reagents

Product code	Product name	CAS number	Pack sizes
331489	Potassium Bromide for IR	7758-02-3	100 g
331455	Tetrachloroethylene for IR	127-18-4	2.5 L

## 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.

Product code	Product name	CAS number	Pack sizes
221881	Acetonitrile (Reag. Ph. Eur.) for UHPLC Supergradient, ACS	75-05-8	1 L, 2.5 L, 4 L, 5 L, 10 L, 25 L, 30 L, 200 L
221086	Ethanol absolute for HPLC gradient	64-17-5	2.5 L
221091	Methanol (Reag. Ph. Eur.) for UHPLC Supergradient, ACS	67-56-1	2.5 L, 4 L, 10 L, 25 L, 30 L, 200 L
221090	2-Propanol for HPLC gradient	67-63-0	1 L, 2.5 L
221074	Water for UHPLC Supergradient	7732-18-5	2.5 L

## LC-MS solvents

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

- Very low metals concentration (<100 ppb).
- 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.

Product code	Product name	CAS number	Pack sizes
701881	Acetonitrile for LC-MS	75-05-8	1 L, 2.5 L
701091	Methanol for LC-MS	67-56-1	1 L, 2.5 L
701074	Water for LC-MS	7732-18-5	1 L, 2.5 L

## 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.

Product code	Product name	CAS number	Pack sizes
721881	Acetonitrile for UHPLC Hypergradient	75-05-8	2.5 L
721091	Methanol for UHPLC Hypergradient	67-56-1	2.5 L

## Phase modifiers

Product code	Product name	CAS number	Pack sizes
361008	Acetic Acid glacial for HPLC	64-19-7	1 L, 2.5 L
363317	Trifluoroacetic Acid for UV	76-05-1	25 mL, 100 mL

## Ion pairing reagents

Product code	Product name	CAS number	Pack sizes
367127	1-Decanesulfonic Acid Sodium Salt for HPLC	13419-61-9	25 g, 250 g
364897	1-Heptane Sulfonic Acid Sodium Salt for HPLC	22767-50-6	25 g, 100 g
367128	1-Heptane Sulfonic Acid Sodium Salt 1-hydrate for HPLC	207300-90-1	25 g
363428	1-Hexane Sulfonic Acid Sodium Salt for HPLC	2832-45-3	25 g, 100 g
367129	1-Hexane Sulfonic Acid Sodium Salt 1-hydrate for HPLC	207300-91-2	25 g
363995	1-Octane Sulfonic Acid Sodium Salt for HPLC	5324-84-5	25 g, 100 g
364896	1-Pentane Sulfonic Acid Sodium Salt for HPLC	22767-49-3	25 g

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