

BDH Prolabo – The chemical brand from VWR International

HiPerSolv CHROMANORM LC-MS grade solvents for HPLC

This grade of solvents offers customers our highest quality products, specifically manufactured to meet the needs of LC-MS instruments.

Designed to ensure minimal metal adduct formation through rigorous testing for the presence of alkaline impurities, they combine high performance and stable baseline of HPLC solvents with the absence of extraneous peaks, as detected by GC-ECD.

LC-MS has fast become a major analytical tool for researchers in a wide range of industries and application areas, especially in field of biotechnology and within R&D departments of pharmaceutical industry.



- Specified to meet the highly demanding requirements of HPLC, LC-UV and LC-MS applications
 - High UV transmission
 - Gradient test at 210, 235 or 254 nm
 - Low alkaline metal content of max. 0.1 ppm
- Impurities causing interfering peaks on gas chromatogram are not greater than:
 - 5 ng l⁻¹ of Lindane by electron capture detection
 - 10 ng l⁻¹ of Ethylparathion by phosphorous nitrogen detection
- Certificates of analysis available on the Web



Combining the best quality and price competitive characteristics

HiPerSolv CHROMANORM LC-MS grade solvents for HPLC

Purified from selected raw materials under ISO 9001 conditions, these solvents are:

- Filtered at 0.2 µm
- Bottled under nitrogen
- Fitted with caps with PTFE liners to prevent contamination
- Packed in standard glass bottles with DIN 45 closures.

Certificates of analysis are readily available on the VWR website.

Product specifications			
	ACETONITRILE	METHANOL	WATER
Cat. No. 1 l	83640.290	83638.290	83645.290
Cat. No. 2.5 l	83640.320	83638.320	83645.320
Assay (on anhydrous substance)	Min. 99.9 %	Min. 99.9 %	--
Acidity	Max. 0.0005 meq/g	Max. 0.0005 meq/g	--
Evaporation residue	Max. 0.0005 %	Max. 0.0005 %	--
Water	Max. 0.02 %	Max. 0.05 %	--
Calcium	Max. 0.1 ppm	Max. 0.1 ppm	--
Potassium	Max. 0.1 ppm	Max. 0.1 ppm	--
Magnesium	Max. 0.1 ppm	Max. 0.1 ppm	--
Sodium	Max. 0.1 ppm	Max. 0.1 ppm	--
Transmittance 190 nm	Min. 30 %	--	--
Transmittance 200 nm	Min. 90 %	--	--
Transmittance 210 nm	Min. 93 %	Min. 65 %	--
Transmittance 220 nm	Min. 98 %	Min. 75 %	--
Transmittance 230 nm	Min. 99 %	Min. 90 %	--
Transmittance 240 nm	--	Min. 98 %	--
Transmittance 250 nm	--	Min. 99 %	--
Gradient grade 210 nm	Max. 3 mAU	--	--
Gradient grade 235 nm	--	Max. 2 mAU	--
Gradient grade 254 nm	Max. 1 mAU	--	Max. 2 mAU
Pesticide analysis Ethylparathion/PND	Max. 10 ng/l	Max. 10 ng/l	Max. 10 ng/l
Pesticide analysis Lindane/ECD	Max. 5 ng/l	Max. 5 ng/l	Max. 5 ng/l

