

Material	83642.290
Material description	Acetonitrile
Grade	HiPerSolv CHROMANORM for HPLC ULTRA LC-MS grade - suitable for LC-MS/UPLC/UHPLC/Ultra HPLC instruments
CAS Number	75-05-8
Molecular formula	H ₃ CCN
Molecular mass	41.05

Characteristics	Specifications
Assay (on anhydrous substance)	≥ 99.95 %
Acidity	≤ 0.0001 meq/g
Alkalinity	≤ 0.0002 meq/g
Colouration	≤ 5 APHA
Density (20/4)	0.781 - 0.784
Density (20/20)	0.782 - 0.785
Refractive index (20°C)	1.343 - 1.345
Evaporation residue	≤ 1 ppm
Water	≤ 100 ppm
Transmittance (193 nm)	≥ 60 %
Transmittance (195 nm)	≥ 90 %
Transmittance (200 nm)	≥ 98 %
Transmittance (210 nm)	≥ 98 %
Transmittance (215 nm)	≥ 99 %
Transmittance (220 nm)	≥ 99 %
Transmittance (230 nm)	≥ 99 %
Fluorescence (as quinine) (254/450 nm)	≤ 1 ppb
Fluorescence (as quinine) (365 nm)	≤ 0.5 ppb
Gradient (210 nm)	≤ 1 mAU
Gradient (254 nm)	≤ 1 mAU
MS-ESI+ (as Reserpine)	≤ 2 ppb
MS-ESI- (as 4-Nitrophenol)	≤ 20 ppb
MS-APCI- (as 4-Nitrophenol)	≤ 20 ppb
Al (Aluminium)	≤ 20 ppb
Ba (Barium)	≤ 20 ppb
Ca (Calcium)	≤ 20 ppb
Cd (Cadmium)	≤ 20 ppb
Co (Cobalt)	≤ 20 ppb

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For Professional use in Laboratory or Manufacturing. Not for use as an Active Pharmaceutical Ingredient or Food or Animal Feed. Suitability and intended use of the product remains the responsibility of the user.



Characteristics	Specifications
Cu (Copper)	≤ 20 ppb
Fe (Iron)	≤ 20 ppb
K (Potassium)	≤ 20 ppb
Mg (Magnesium)	≤ 20 ppb
Mn (Manganese)	≤ 20 ppb
Na (Sodium) (at filling)	≤ 20 ppb
Ni (Nickel)	≤ 20 ppb
Pb (Lead)	≤ 20 ppb
Zn (Zinc)	≤ 20 ppb
Filtered through 0.2 µm	Confirmed

Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

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