



Material	83642.320
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	≤ 10 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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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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