

Material	83639.320
Material description	Acetonitrile
Grade	HiPerSolv CHROMANORM for HPLC - SUPER GRADIENT Reag. Ph.Eur./USP-NF, ACS - suitable for UPLC/UHPLC instruments water < 30 ppm
CAS Number	75-05-8
Molecular formula	H ₃ CCN
Molecular mass	41.05

Characteristics	Specifications
Assay	≥ 99.95 %
Solution (100 g/l)	Neutral
Acidity	≤ 0.0008 meq/g
Alkalinity	≤ 0.0006 meq/g
Boiling point	80 - 82 °C
Colouration	≤ 10 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	≤ 2 ppm
Water	≤ 30 ppm
Absorbance (190 nm)	≤ 1
Absorbance (195 nm)	≤ 0.1
Absorbance (200 nm)	≤ 0.02
Absorbance (210 nm)	≤ 0.02
Absorbance (220 nm)	≤ 0.01
Absorbance (230 nm)	≤ 0.01
Absorbance (240 nm)	≤ 0.005
Absorbance (250 nm)	≤ 0.005
Absorbance (240-420 nm)	≤ 0.005
Transmittance (190 nm)	≥ 10 %
Transmittance (195 nm)	≥ 80 %
Transmittance (200 nm)	≥ 95 %
Transmittance (210 nm)	≥ 96 %
Transmittance (220 nm)	≥ 97 %
Transmittance (230 nm)	≥ 98 %
Transmittance (240 nm)	≥ 99 %
Transmittance (250 nm)	≥ 99 %

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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
Transmittance (240-420 nm)	≥ 99 %
Fluorescence (as quinine) (254 nm)	≤ 1 ppb
Gradient (210 nm)	≤ 3 mAU
Gradient (254 nm)	≤ 1 mAU
Conforms to ACS	Passes test
Conforms to ACS (HPLC/UV)	Passes test
Conforms to Reag. Ph.Eur.	Passes test
Conforms to Reag. USP-NF	Passes test
Filtered through 0.2 µm	Confirmed
Packaged under nitrogen	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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