

Material	BDH83639.201
Material description	Acetonitrile
Grade	HiPerSolv CHROMANORM for HPLC - SUPER GRADIENT Reag. Ph. Eur., USP, ACS water < 30 ppm - suitable for UPLC/UHPLC instruments
CAS Number	75-05-8
Molecular formula	H ₃ CCN
Molecular mass	41.05

Characteristics	Specifications
Assay	Min. 99.95 %
Solution (100 g/l)	Neutral
Acidity	Max. 0.0008 meq/g
Alkalinity	Max. 0.0006 meq/g
Boiling point	80 → 82 °C
Colouration	Max. 10 APHA
Density (20/4)	0.781 → 0.784
Density (20/20)	0.782 → 0.785
n 20/D	1.343 → 1.345
Evaporation residue	Max. 2 ppm
Water	Max. 30 ppm
Absorbance (190 nm)	Max. 1
Absorbance (195 nm)	Max. 0.1
Absorbance (200 nm)	Max. 0.02
Absorbance (210 nm)	Max. 0.02
Absorbance (220 nm)	Max. 0.01
Absorbance (230 nm)	Max. 0.01
Absorbance (240 nm)	Max. 0.005
Absorbance (250 nm)	Max. 0.005
Absorbance (240-420 nm)	Max. 0.005
Transmittance (190 nm)	Min. 10 %
Transmittance (195 nm)	Min. 80 %
Transmittance (200 nm)	Min. 95 %
Transmittance (210 nm)	Min. 96 %
Transmittance (220 nm)	Min. 97 %
Transmittance (230 nm)	Min. 98 %
Transmittance (240 nm)	Min. 99 %
Transmittance (250 nm)	Min. 99 %

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Characteristics	Specifications
Transmittance (240-420 nm)	Min. 99 %
Fluorescence (as quinine) (254 nm)	Max. 1 ppb
Gradient (210 nm)	Max. 3 mAU
Gradient (254 nm)	Max. 1 mAU
Conforms to ACS	Passes test
Conforms to ACS (HPLC/UV)	Passes test
Conforms to Reag. Ph.Eur.	Passes test
Conforms to USP	Passes test

Signature

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

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

Emilio Cruz
QC Manager, Chemical Manufacturing - Chester

