



Material	BDH83639.402
Material description	Acetonitrile HiSolv
Grade	for HPLC - SUPER GRADIENT Reagent Ph.Eur., Reagent USP-NF, ACS - suitable for UPLC/UHPLC instruments water < 30 ppm
CAS Number	75-05-8
Molecular formula	H <sub>3</sub> CCN
Molecular mass	41.05

Characteristics	Specifications
Assay	≥ 99.9 %
Solution (100 g/l) (Neutral)	Passes Test
Acidity, meq/g	≤ 0.0008
Alkalinity, meq/g	≤ 0.0006
Boiling point	80 - 82 °C
Color, APHA	≤ 10
Density (20/4)	0.781 - 0.784
n 20/D	1.343 - 1.345
Evaporation residue	≤ 2 ppm
Water	≤ 30 ppm
Absorbance (200 nm)	≤ 0.10
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 %
Transmittance (240-420 nm)	≥ 99 %
Fluorescence (as quinine) (254 nm)	≤ 1 ppb
Gradient (210 nm), mAU	≤ 10
Conforms to ACS	Passes Test
Conforms to ACS (HPLC/UV)	Passes Test
Conforms to Reag. Ph.Eur.	Passes Test
Conforms to USP	Passes Test



# Product Specification

## Signature

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

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