



Material	BDH83639.050
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 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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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

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
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