



Certificate of Analysis

1.00030.2500 Acetonitrile gradient grade for liquid chromatography LiChrosolv® Reag. Ph
Eur
Batch I810630

Batch Values

Purity (GC)	≥ 99.9	%
Identity (IR)	conforms	
Evaporation residue	≤ 2.0	mg/l
Water	≤ 0.02	%
Colour	≤ 10	Hazen
Density (d 20 °C/20 °C)	0.78	
Refractive index (n 20/D)	1.344	
Boiling range (80-82°C)	≥ 95	% (v/v)
Acidity	≤ 0.0002	meq/g
Alkalinity	≤ 0.0002	meq/g
Gradient grade (at 210 nm)	0.1	mAU
Gradient grade (at 254 nm)	0.1	mAU
Fluorescence (as quinine at 254 nm)	0.1	ppb
Fluorescence (as quinine at 365 nm)	0.1	ppb
Transmission (at 193 nm)	71	%
Transmission (at 195 nm)	86	%
Transmission (from 230 nm)	≥ 98	%

Filtered by 0.2 µm filter.

Suitable for UPLC / UHPLC / Ultra HPLC - instruments.

Conforms to Acetonitrile for chromatography and Acetonitrile R1 according to Reag.Ph Eur;
conforms to the requirements of ACS for liquid chromatography suitability.

Date of release (DD.MM.YYYY) 10.12.2015

Minimum shelf life (DD.MM.YYYY) 31.12.2018

Dr. Ute Volkwein

Responsible laboratory manager quality control

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