Certificate of Analysis

1.00030.0000 Acetonitrile gradient grade for liquid chromatography LiChrosolv® Reag. Ph Eur

Batch I1449430

	Batch Values	
Purity (GC)	≥ 99.9	%
Identity (IR)	conforms	
Evaporation residue	≤ 2.0	mg/l
Water	≤ 0.02	%
Color	≤ 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)	68	%
Transmission (at 195 nm)	82	%
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) 09.10.2025
Minimum shelf life (DD.MM.YYYY) 31.10.2028

Jeannette David
Responsible laboratory manager quality control

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