Specification

1.00030.4000 Acetonitrile gradient grade for liquid chromatography LiChrosolv® Reag. Ph Eur

	Specification	
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)	≤ 1.0	mAU
Gradient grade (at 254 nm)	≤ 0.5	mAU
Fluorescence (as quinine at 254 nm)	≤ 1.0	ppb
Fluorescence (as quinine at 365 nm)	≤ 0.5	ppb
Transmission (at 193 nm)	≥ 60	%
Transmission (at 195 nm)	≥ 80	%
Transmission (from 230 nm)	≥ 98	%
Absorbance (at 200 nm)	≤ 0.1	
Absorbance (from 240 nm)	≤ 0.01	

Filtered by 0.2 µm filter.
Suitable for UPLC / UHPLC / Ultra HPLC - instruments.

Conforms to Reag. ChP; Acetonitrile for Chromatography and Acetonitrile R1 according to Reag. Ph Eur; to the requirements of ACS reagent grade for liquid chromatographic suitability.

Jeannette David
Responsible laboratory manager quality control

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