Specification

1.00029.0000 Acetonitrile hypergrade for LC-MS LiChrosolv®

	Specification	
Purity (GC)	≥ 99.97	%
Identity (IR)	conforms	
Evaporation residue	≤ 1.0	mg/l
Water	≤ 0.01	%
Color	≤ 10	Hazen
Acidity	≤ 0.0001	meq/g
Alkalinity	≤ 0.0002	meq/g
Al (Aluminium)	≤ 10	ppb
Ca (Calcium)	≤ 10	ppb
Fe (Iron)	≤ 10	ppb
K (Potassium)	≤ 5	ppb
Mg (Magnesium)	≤ 10	ppb
Na (Sodium)	≤ 50	ppb
Any further metal (ICP-MS)	≤ 5	ppb
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 191 nm)	≥ 25	%
Transmission (at 195 nm)	≥ 85	%
Transmission (at 200 nm)	≥ 96	%
Transmission (at 215 nm)	≥ 98	%
Transmission (from 230 nm)	≥ 99	%
Suitable for LC-MS; Intensity of background mass peak based on reserpine (APCI/ESI positive)	≤ 2	ppb
Suitable for LC-MS; Intensity of background mass peak based on reserpine (APCI/ESI negative)	≤ 20	ppb

Filtered by 0.2 µm filter

Jeannette David
Responsible laboratory manager quality control

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