Specification

1.15333.2500 Water for chromatography (LC-MS Grade) LiChrosolv®

	Specification	
Spec. conductance at 25 °C (at the time of manufacturing)	≤ 1	µS/cm
Al (Aluminium)	≤ 10	ppb
Ca (Calcium)	≤ 100	ppb
Fe (Iron)	≤ 5	ppb
K (Potassium)	≤ 10	ppb
Mg (Magnesium)	≤ 20	ppb
Na (Sodium)	≤ 200	ppb
Any further metal (ICP-MS)	≤ 5	ppb
TOC	≤ 30	ppb
Evaporation residue	≤ 5	mg/l
Fluorescence (as quinine at 254 nm)	≤ 1	ppb
Fluorescence (as quinine at 365 nm)	≤ 0.5	ppb
Gradient grade (at 210 nm)	≤ 5	mAU
Gradient grade (at 254 nm)	≤ 0.5	mAU
Gradient grade (basic absorption (210 nm))	≤ 20	mAU

	Specification	
Anions (IC)		
Chloride (Cl)	≤ 10	ppb
Nitrate (NO_3)	≤ 10	ppb
Phosphate (PO_4)	≤ 10	ppb
Sulfate (SO_4)	≤ 10	ppb

	Specification	
Suitable for LC-MS; Intensity of background mass peak based on reserpine (APCI/ESI positive)	≤ 1	ppb
Suitable for LC-MS; Intensity of background mass peak based on reserpine (APCI/ESI negative)	≤ 20	ppb

Filtered by 0.2µm filter

Dr. Nina Hegmann
Responsible laboratory manager quality control

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