

Technical Datasheet

Article no.: 455

Water for LC-MS

H₂O

For laboratory use.

CAS-No: 7732-18-5
Appearance/condition: Clear, colourless liquid
Melting point: 0 °C
Boiling point: 100 °C
Density (20°C): 1.00 g/ml
Molar mass: 18.02 g/mol

Parameter	Value
Identity (IR)	complies
Acidity	max. 0.0002%
Alkalinity	max. 0.00005 %
Gradient elution H. Peak at 210 nm	max. 2 mAU
Gradient elution H. Peak at 254 nm	max. 0.5 mAU
Residue on evaporation	max. 0.5 ppm
Total organic carbon (TOC)	max. 10 ppb
Aluminium (Al)	max. 20 ppb
Iron (Fe)	max. 30 ppb
Calcium (Ca)	max. 50 ppb
Magnesium (Mg)	max. 20 ppb
Sodium (Na)	max. 100 ppb
Potassium (K)	max. 50 ppb
Sensitive impurities (as reserpine)	max. 50 ppb
Conductivity	max. 0.09 µS/cm

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Parameter	Value
Filtered through 0.1 µm	

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