

Technical Datasheet

Article no.: 470

Water for UHPLC-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
Residue on evaporation	max. 0.0001 %
UHPLC-MS suitability test	complies
Fluorescence at 254 nm (as quinine)	max. 0.30 ppb
Fluorescence at 365 nm (as quinine)	max. 0.30 ppb
Gradient elution H. Peak at 210 nm	max. 1 mAU
Gradient elution H. Peak at 254 nm	max. 0.5 mAU
Total organic carbon (TOC)	max. 10 ppb
Acidity	max. 0.00004 meq/g
Alkalinity	max. 0.00004 meq/g
Aluminium (Al)	max. 20 ppb
Calcium (Ca)	max. 50 ppb
Iron (Fe)	max. 20 ppb
Lead (Pb)	max. 20 ppb
Magnesium (Mg)	max. 20 ppb
Potassium (K)	max. 50 ppb

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Parameter	Value
Sodium (Na)	max. 100 ppb
Resistivity (during production)	min. 18.2 MΩcm
Filtered through 0.1 µm	
Filled under inert gas	

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