Technical Datasheet

Article no.: 428

Water UHPLC-MS grade SL

H_2O

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
Colour (APHA)	max. 5
Identity (IR)	complies
Conductivity (during production)	max. 0.09 µs/cm
Residue on evaporation	max. 0.4 ppm
Total organic carbon (TOC)	max. 10 ppb
Acidity	max. 0.0002 %
Alkalinity	max. 0.00005 %
UV-Transmission at 200 nm	min. 95 %
UV-Transmission at 230 nm	min. 99 %
Fluorescence at 254 nm	max. 0.3 ppb
Fluorescence at 365 nm	max. 0.3 ppb
Gradient elution H. Peak at 210 nm	max. 2 mAU
Gradient elution H. Peak at 254 nm	max. 0.5 mAU
Gradient elution drift at 210 nm	max. 8 mAU
Gradient elution drift at 254 nm	max. 3 mAU

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St.-Nr. 70093/40018 / USt-IdNr. DE147510304
Amtsgericht Stuttgart / HRA-Nr. 254140
Persönlich haftende Gesellschafterin:
Geyer Beteiligungsgesellschaft mbH
Amtsgericht Stuttgart / HRB-Nr. 252035
Geschäftsführer: Lutz-Alexander Geyer / Ralf Streicher
Oliver-Alexander Geyer / André Meise

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Parameter	Value
Sensetive impurtities (as reserpine)	max. 30 ppb
Aluminium (Al)	max. 20 ppb
Iron (Fe)	max. 30 ppb
Calcium (Ca)	max. 50 ppb
Magnesium (Mg)	max. 50 ppb
Sodium (Na)	max. 50 ppb
Potassium (K)	max. 50 ppb
Metal compounds: mesured at batch release	
Filtered through 0.1 µm	

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