

### Water, ULC-MS

H <sub>2</sub> O	FW. 18.02	Density 1 L = 1.000 Kg.
CAS-No.	7732-18-5	Melting Point - 0 °C
Code	UM1210	Boiling Point 100 °C

### Specifications

Appearance	Clear and colorless liquid	
Color (APHA)	5	max.
Resistivity (at the time of manufacturing), MohmXcm	18.2	min.
Acidity (as Acetic acid)	0.0002%	max.
Alkalinity (as Ammonia), (at the time of manufacturing)	0.0002%	max.
Residue on Evaporation	0.0001%	max.
Chloride (Cl)	10	ppb max.
Fluoride (F)	10	ppb max.
Nitrate (NO <sub>3</sub> )	10	ppb max.
Phosphate (PO <sub>4</sub> )	10	ppb max.
Sulfate (SO <sub>4</sub> )	10	ppb max.
UV Transmission Levels (%T)		
230 nm	99%	min.
200 nm	95%	min.
Gradient Specification		
at 210 nm	1.0	mAU max.
at 254 nm	0.5	mAU max.
Fluorescence (as quinine)		
at 254 nm	0.3	ppb max.
at 365 nm	0.3	ppb max.
Aluminium (Al)	5	ppb max.
Barium (Ba)	5	ppb max.
Bismuth (Bi)	10	ppb max.
Cadmium (Cd)	5	ppb max.
Calcium (Ca)	10	ppb max.
Chromium (Cr)	5	ppb max.
Cobalt (Co)	5	ppb max.
Copper (Cu)	5	ppb max.
Iron (Fe)	10	ppb max.
Lead (Pb)	5	ppb max.
Lithium (Li)	10	ppb max.
Magnesium (Mg)	5	ppb max.
Manganese (Mn)	5	ppb max.
Molybdenum (Mo)	10	ppb max.
Nickel (Ni)	5	ppb max.
Potassium (K)	5	ppb max.
Silver (Ag)	10	ppb max.
Sodium (Na)	20	ppb max.
Strontium (Sr)	10	ppb max.
Tin (Sn)	5	ppb max.
Zinc (Zn)	5	ppb max.
TOC (at the time of manufacturing)	10	ppb max.
Suitable for LC-MS (ESI positive as Reserpine)	5	ppb max.
Suitable for LC-MS (ESI negative as Reserpine)	20	ppb max.
Filter test	Passes test	

Suitable for UHPLC / Ultra HPLC / CC / SFC - instruments.  
 Product passed through 0.1 micron final filter.

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