

# Technical Datasheet

Article No. 470

Water for UHPLC-MS  
H<sub>2</sub>O

For laboratory use.

Parameter	Value
Appearance	clear, colourless liquid
Density	1.00 g/ml
Molar mass	18.01 g/mol
Melting point	0.0 °C
Boiling point	100.0 °C
Residue on evaporation	max. 0.0001 % w/w
UHPLC-MS suitability test (reserpine)	max. 30 ppb
Fluorescence (as quinine) at 254 nm	max. 0.30 ppb
Fluorescence (as quinine) at 365 nm	max. 0.30 ppb
Gradient test at 210 nm	max. 1 mAU
Gradient test 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
Potassium (K)	max. 50 ppb
Magnesium (Mg)	max. 20 ppb
Sodium (Na)	max. 100 ppb
Lead (Pb)	max. 20 ppb
Resistance	18.2 – 30 MΩcm
Filtered through 0.1 µm	
Filled under inert gas	