

**PRODUCT CODE: 701074****Water for LC-MS**

H₂O

M.= 18,016

CAS [7732-18-5]

EINECS 231-791-2

TARIC 2853 90 10 00

SYNONYMS: Hydrogen Oxide

PHYSICAL DATA: liquid, Clear, Colourless, Soluble in ethanol D^{3.98} 1 • M.P.: 0 °C • B.P.: 100 °C • pH5,5 - 7,5
• Vap. press. (20 °C) 23 hPa • Viscosity 20 °C 0,95 mPa.s • D. M. 1,85 Debye • Dielec. constant 20 °C 80,2 • Heat
evap. 20 °C 2253 KJ/Kg •

BIBLIOGRAPHY: Merck Index **12**, 10.175 13, 10.098 Sax **WAT259** • Römp **8** , **4583** • ACS **XI** • UNE-EN ISO 3696
(1996) • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) 6.3 •

HAZARDOUS: RTECS: ZC 0110000 •**WEIGHT/VOLUME INFORMATION:** 1l~1,000 kg 1kg~1,000 l**SPECIFICATIONS:**

Suitability: for LC-MS

passes test

Maximum limit of impurities

Non-volatile matter

0,0001 %

Chloride (Cl)

0,000001%

Sulfate (SO₄)

0,00001%

Specific conductance at 25°C (Measured during
production)1,0 x 10⁻⁶ ohm⁻¹ cm⁻¹

Fluoride (F)

0,000001%

Nitrate (NO ₃)	0,00001%
Gradient at 210 nm	5 mUA
Gradient at 254 nm	0,5 mUA
Fluorescence at 254 nm (as quinine)	1 ppb
Fluorescence at 365 nm (as quinine)	0,5 ppb
UV Spectrum (1cm cell; Ref.: water):	
Transmittance at 200 nm	³ 98 %
Transmittance at 210 nm	³ 98 %
Transmittance at 254 nm	³ 99 %
Transmittance at 300-450 nm	³ 99 %

Metals by ICP [in mg/Kg (ppm)]

Ag	0,1
Al	0,5
Ba	0,1
Ca	0,1
Cd	0,05
Co	0,02
Cr	0,02
Cu	0,02
Fe	0,1
K	0,1
Mg	0,1
Mn	0,02
Na	0,1
Ni	0,02
Pb	0,1
Sn	0,1
Zn	0,1

Microfiltered product (0.2 µm) and bottled under nitrogen atmosphere.