



PRODUCT CODE: 221074

Water for UHPLC Supergradient

H2O

M.= 18,016 CAS [7732-18-5] EINECS 231-791-2
TARIC 2853 00 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 X716 IX686 • UNE-EN ISO 3696 (1996) • BP. 2014 • USP 37 • Ph. Eur. 7.0 (2013) 8.0 (2014) 6.3 •

HAZARDOUS: RTECS: ZC 0110000 •

WEIGHT/VOLUME INFORMATION: 1l~1,000 kg 1kg~1,000 l

SPECIFICATIONS:

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter	0,0001 %
Specific conductance at 25°C (Measured during production)	1,0 x 10 ⁻⁶ ohm ⁻¹ cm ⁻¹
Colony count	25 ufc/ml
Suitability for gradient according to ACS	Passes test
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	⊖ 98 %
Transmittance at 210 nm	⊖ 98 %
Transmittance at 254 nm	⊖ 99 %
Transmittance at 300-450 nm	⊖ 99 %

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.

