PanReac AppliChem ITW Reagents

PRODUCT CODE: 221074

Water for HPLC gradient / UHPLC supergradient

H_2O

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. constant20 °C 80,2 • Heat evap. 20 °C 2253 KJ/Kg •

BIBLIOGRAPHY: Merck Index **12,** 10.175 13**,** 10.098 Sax **WAT**259 • Römp **8 , 4583** • ACS **XI** • UNE-EN ISO 3696 (1996) • BP**.2021** • USP **42** • Ph. Eur. **9.0** (2017) **10.0** (2020) 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
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.