



PRODUCT CODE: 361074

Water for UV, HPLC, ACS

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 gradient acc. to ACS

passes test

Maximum limit of impurities

Non-volatile matter

0,0003 %

Reducing substance to KMnO₄

passes test

Specific conductance at 25°C (Measured during
 production)

1,0x10⁻⁶ohm⁻¹cm⁻¹

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 %

Data of interest in HPLC:
Rohrschneider Polarity 10,2

For critical jobs, purge with nitrogen.

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

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