

**PRODUCT CODE: 131074****Water for analysis, 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:**

pH 5-8

Maximum limit of impurities

ABS

in water, 1 cm at λ 254 nm

0,01

Non-volatile matter

0,0001 %

Reducing substance to KMnO₄

passes test

Residue on ignition

0,0002 %

Chloride (Cl)	0,00001%
Ammonium (NH ₄)	0,000001%
Phosphate (PO ₄)	0,000005 %
Sulfate (SO ₄)	0,0001%
Silicate SiO ₂	0,000001%
Specific conductance at 25°C (Measured during production)	1,0x10-6ohm-1cm-1
Nitrate (NO ₃)	0,00002%
Heavy metals (as Pb)	0,000001%

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

Ag	0,01
Al	0,02
As	0,05
Au	0,01
B	0,01
Ba	0,01
Be	0,02
Bi	0,01
Ca	0,1
Cd	0,01
Co	0,01
Cr	0,01
Cu	0,01
Fe	0,01
Ga	0,01
Ge	0,01
Hg	0,05
In	0,01
K	0,05
Li	0,02
Mg	0,05
Mn	0,01
Mo	0,01
Na	0,1
Ni	0,01
Pb	0,01
Pt	0,01
Sb	0,01
Se	0,01
Sn	0,01
Sr	0,05
Ti	0,01
Tl	0,01
V	0,01
Zn	0,05
Zr	0,01

Meet specifications for water type 2 according to ISO:3696:1987. 'Water reagent for use in laboratory analysis'.