



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** · Rmp **8** , **4583** · ACS **XI** · UNE-EN ISO 3696 (1996) · BP.**2020** · 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:

pH	5-8
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Maximum limit of impurities

ABS	
in water, 1 cm at λ 254 nm	0,01
Non-volatile matter	0,0001 %
Reducing substance to KMnO ₄	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 25C (Measured during production)	2,0x10-6ohm-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'.