

Identification

H₂O
M = 18,02 g/mol
CAS [7732-18-5]
EC number: 231-791-2
Taric code: 2853 00 10

Applications

solvents, analytical chemistry.

Specifications

conductivity (25 °C).....	max. 1 µS/cm	chromium (Cr).....	max. 0,2 ppm
chlorides (Cl).....	max. 0,0001 %	copper (Cu).....	max. 0,1 ppm
nitrates (NO ₃).....	max. 0,00003 %	iron (Fe).....	max. 0,1 ppm
phosphates (as PO ₄).....	max. 0,00001 %	lead (Pb).....	max. 0,2 ppm
silicates (SiO ₂).....	max. 0,000001 %	magnesium (Mg).....	max. 0,1 ppm
sulfates (SO ₄).....	max. 0,0001 %	manganese (Mn).....	max. 0,1 ppm
aluminium (Al).....	max. 0,2 ppm	nickel (Ni).....	max. 0,1 ppm
ammonium (NH ₄).....	max. 0,00001 %	potassium (K).....	max. 0,5 ppm
barium (Ba).....	max. 0,1 ppm	sodium (Na).....	max. 0,5 ppm
cadmium (Cd).....	max. 0,1 ppm	zinc (Zn).....	max. 0,1 ppm
calcium (Ca).....	max. 0,3 ppm	substances reducing KMnO ₄	passes test
		residue on evaporation.....	max. 0,0001 %

Physical data

- Density: 1,00 g/cm³
- Melting point: 0 °C
- Boiling point: 100 °C
- Vapour pressure: (20 °C) 23 hPa
- Viscosity: (20 °C) 0,95 mPas
- Dipolar moment: (20 °C) 1,85 Debye
- Dielectric const.: (20 °C) 80,2
- Evap. heat: (20 °C) 2253 KJ/kg
- pH(20 °C) 7

Transport/storage

- 10°C - 30°C