

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
chlorides (Cl).....max. 0,000001 %
fluorides (F).....max. 0,000001 %
nitrates (NO₃).....max. 0,00001 %
sulfates (SO₄).....max. 0,00001 %
aluminium (Al).....max. 10 ppb
barium (Ba).....max. 5 ppb
cadmium (Cd).....max. 5 ppb
calcium (Ca).....max. 20 ppb
chromium (Cr).....max. 5 ppb
cobalt (Co).....max. 5 ppb
copper (Cu).....max. 5 ppb
iron (Fe).....max. 5 ppb
lead (Pb).....max. 5 ppb
magnesium (Mg).....max. 10 ppb
manganese (Mn).....max. 5 ppb
nickel (Ni).....max. 5 ppb
potassium (K).....max. 10 ppb

silver (Ag).....max. 5 ppb
sodium (Na).....max. 100 ppb
tin (Sn).....max. 5 ppb
zinc (Zn).....max. 5 ppb
residue on evaporation.....max. 0,0001 %
suitability for use in LC-MS.....passes test

min. transmission/max. absorbance in a 1,0 cm cell at
wavelength:.....T(%) A (AU)
200 nm.....95 % 0,022 AU
230 nm.....99 % 0,004 AU

gradient grade (210 nm)
maximum peak absorbance:.....max. 0,005 AU
gradient grade (254 nm)
maximum peak absorbance:.....max. 0,001 AU

Microfiltered through membranes of pore diameter 0,1 µm

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