AG0015
Water, UHPLC-MS

Identification
H_2O
M = 18,02 g/mol
CAS [7732-18-5]
EC number: 231-791-2
Taric code: 2853 00 10

Specifications

conductivity (25 °C)..... max. 1 µS/cm
chlorides (Cl)..... max. 0,000001 %
fluorides (F)..... max. 0,000001 %
nitrates (NO3)..... max. 0,00001 %
sulfates (SO_4)..... 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 UHPLC-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:.....0,005 AU

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

UHPLC-MS test ESI+.....max. 5 ppb Reserpin
UHPLC-MS test ESI-..... max. 20 ppb Digoxin

Microfiltered through membranes of pore diameter 0,1 µm

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

Transport/storage
- 10°C - 30°C