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 (NO_3)	max. 0,00001 %
sulfates (SO_4)	max. 0,00001 %
aluminium (Al)	max. 0,02 ppm
barium (Ba)	max. 0,02 ppm
cadmium (Cd)	max. 0,02 ppm
calcium (Ca)	max. 0,1 ppm
chromium (Cr)	max. 0,02 ppm
cobalt (Co)	max. 0,02 ppm
copper (Cu)	max 0,01 ppm
iron (Fe)	max. 0,02 ppm
lead (Pb)	max. 0,02 ppm
magnesium (Mg)	max. 0,02 ppm
manganese (Mn)	max 0,01 ppm
nickel (Ni)	max. 0,02 ppm
potassium (K)	max. 0,05 ppm
silver (Ag)	max. 0,1 ppm
sodium (Na)	max. 0,1 ppm
tin (Sn)	max. 0,1 ppm
zinc (Zn)	max. 0,02 ppm

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

Toxicological data
- WGK: 0
- Poison class CH (Swiss): F

Transport/storage
- Store between 15ºC and 25ºC