

## WATER



- H<sub>2</sub>O
- M = 18,02 g/mol
- CAS [7732-18-5]
- EINECS-No.: 231-791-2

- Density: 1,00 g/cm<sup>3</sup>
- Melting point: 0 °C
- Boiling point: 100 °C
- Vapour pressure: (20 °C) 23 hPa

- Dielectric const.: (20 °C) 80,2
- Tariff number: 2853 00 10 00
- Applications: solvents, analytical chemistry.

### AG0003 Water, deionized, EssentQ®

chlorides (Cl) .....max. 0,005 %  
phosphates (as PO<sub>4</sub>) .....max. 0,005 %  
sulfates (SO<sub>4</sub>) .....max. 0,005 %






ART. NO.	VOLUME	CONTAINER
AG0003005P	5 l	
AG0003010C	10 l	

ART. NO.	VOLUME	CONTAINER
AG0003025P	25 l	
AG0003060P	60 l	

### AG0002 Water, ExpertQ®, for analysis

conductivity (25 °C) .....max. 1 µS/cm  
chlorides (Cl) .....max. 0,0001 %  
nitrates (NO<sub>3</sub>) .....max. 0,00003 %  
phosphates (as PO<sub>4</sub>) .....max. 0,00001 %  
silicates (SiO<sub>2</sub>) .....max. 0,000001 %  
sulfates (SO<sub>4</sub>) .....max. 0,0001 %  
aluminium (Al) .....max. 0,2 ppm  
ammonium (NH<sub>4</sub>) .....max. 0,00001 %  
barium (Ba) .....max. 0,1 ppm  
cadmium (Cd) .....max. 0,1 ppm  
calcium (Ca) .....max. 0,3 ppm  
chromium (Cr) .....max. 0,2 ppm




copper (Cu) .....max. 0,1 ppm  
iron (Fe) .....max. 0,1 ppm  
lead (Pb) .....max. 0,2 ppm  
magnesium (Mg) .....max. 0,1 ppm  
manganese (Mn) .....max. 0,1 ppm  
nickel (Ni) .....max. 0,1 ppm  
potassium (K) .....max. 0,5 ppm  
sodium (Na) .....max. 0,5 ppm  
zinc (Zn) .....max. 0,1 ppm  
substances reducing KMnO<sub>4</sub> .....passes test  
residue on evaporation .....max. 0,0001 %

ART. NO.	VOLUME	CONTAINER
AG00021000	1 l	
AG00022500	2,5 l	
AG0002005P	5 l	
AG0002010C	10 l	
AG0002025P	25 l	

### AG0001 Water, gradient HPLC grade

conductivity (25 °C) .....max. 1 µS/cm  
chlorides (Cl) .....max. 0,00002 %  
nitrates (NO<sub>3</sub>) .....max. 0,00003 %  
sulfates (SO<sub>4</sub>) .....max. 0,0001 %  
residue on evaporation .....max. 0,0001 %  
lead (Pb) .....max. 0,1 ppm  
colony count .....max. 25 UFC/g


microbiological test .....passes test  
gradient elution: maximum absorption of the largest  
eluted peaks:  
at 210 nm ..... 0,01 AU  
at 254 nm ..... 0,001 AU  
Microfiltered through membranes of pore diameter  
0,22 µm

ART. NO.	VOLUME	CONTAINER
AG00011000	1 l	
AG00012500	2,5 l	
AG00014000	4 l	

### AG0006 Water, LC-MS

conductivity (25 °C) .....max. 1 µS/cm  
chlorides (Cl) .....max. 0,000001 %  
fluorides (F) .....max. 0,000001 %  
nitrates (NO<sub>3</sub>) .....max. 0,00001 %  
sulfates (SO<sub>4</sub>) .....max. 0,00001 %  
aluminium (Al) .....max. 0,5 ppm  
barium (Ba) .....max. 0,1 ppm  
cadmium (Cd) .....max. 0,05 ppm  
calcium (Ca) .....max. 0,1 ppm  
chromium (Cr) .....max. 0,02 ppm  
cobalt (Co) .....max. 0,02 ppm  
copper (Cu) .....max. 0,02 ppm  
iron (Fe) .....max. 0,1 ppm  
lead (Pb) .....max. 0,1 ppm  
magnesium (Mg) .....max. 0,1 ppm  
manganese (Mn) .....max. 0,02 ppm  
nickel (Ni) .....max. 0,02 ppm

potassium (K) .....max. 0,1 ppm  
silver (Ag) .....max. 0,1 ppm  
sodium (Na) .....max. 0,1 ppm  
tin (Sn) .....max. 0,1 ppm  
zinc (Zn) .....max. 0,1 ppm  
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  
0,22 µm

ART. NO.	VOLUME	CONTAINER
AG00061000	1 l	
AG00062500	2,5 l	

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P  
Q  
R  
S  
T  
U  
V  
W  
X  
Y  
Z