

# Technical Datasheet

## Article No. 405

Water ultra-pure, AAS and ICP, ASTM D-94, D-129  
H<sub>2</sub>O

For laboratory use.

Parameter	Value
Appearance	clear, colourless liquid
Density (20 °C)	1.00 g/ml
Boiling point	100 °C
Melting point	0 °C
Molar mass	18.02 g/mol
Conductivity during production	max. 1 µS/cm
Chloride (Cl)	max. 0.005 ppm
Phosphate (PO <sub>4</sub> )	max. 0.01 ppm
Nitrate (NO <sub>3</sub> )	max. 0.01 ppm
Sulphate (SO <sub>4</sub> )	max. 0.1 ppm
Silver (Ag)	max. 0.0004 ppm
Arsenic (As)	max. 0.002 ppm
Gold (Au)	max. 0.001 ppm
Boron (B)	max. 0.005 ppm
Barium (Ba)	max. 0.001 ppm
Beryllium (Be)	max. 0.002 ppm
Bismuth (Bi)	max. 0.001 ppm
Calcium (Ca)	max. 0.005 ppm
Cadmium (Cd)	max. 0.001 ppm
Cobalt (Co)	max. 0.001 ppm
Chromium (Cr)	max. 0.0004 ppm
Copper (Cu)	max. 0.0004 ppm
Aluminium (Al)	max. 0.002 ppm
Palladium (Pd)	max. 0.008 ppm

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Iron (Fe)	max. 0.001 ppm
Potassium (K)	max. 0.005 ppm
Lithium (Li)	max. 0.002 ppm
Magnesium (Mg)	max. 0.005 ppm
Manganese (Mn)	max. 0.0004 ppm
Molybdenum (Mo)	max. 0.002 ppm
Sodium (Na)	max. 0.01 ppm
Nickel (Ni)	max. 0.0004 ppm
Lead (Pb)	max. 0.001 ppm
Tin (Sn)	max. 0.001 ppm
Strontium (Sr)	max. 0.0004 ppm
Thallium (Tl)	max. 0.00005 ppm
Vanadium (V)	max. 0.001 ppm
Zinc (Zn)	max. 0.004 ppm
Zirconium (Zr)	max. 0.001 ppm
Patinum (Pt)	max. 0.001 ppm
Antimony (Sb)	max. 0.001 ppm
Selenium /Se)	max. 0.0001 ppm
Titanium (Ti)	max. 0.001 ppm

UV filtrated through 0.4 µm