

Technical Datasheet

Article No. 829

Sulfuric acid VLSI
95.0–98.0 % w/w H₂SO₄

For laboratory use.

Parameter	Value
Appearance	clear liquid
Density	1.84 g/ml
Mol.-Weight	98.08 g/mol
Melting point	10 °C
Boiling point	290 °C
Colour (APHA)	max. 10
Residue on ignition	max. 0.0003 %
Chloride (Cl)	max. 0.00001 %
Nitrate (NO ₃)	max. 0.00002 %
Phosphate (PO ₄)	max. 0.00003 %
Silver (Ag)	max. 10 ppb
Aluminium (Al)	max. 50 ppb
Arsenic (As)	max. 10 ppb
Gold (Au)	max. 10 ppb
Boron (B)	max. 20 ppb
Barium (Ba)	max. 10 ppb
Beryllium (Be)	max. 10 ppb
Bismuth (Bi)	max. 20 ppb
Calcium (Ca)	max. 50 ppb
Cadmium (Cd)	max. 10 ppb
Cobalt (Co)	max. 10 ppb
Chromium (Cr)	max. 10 ppb
Copper (Cu)	max. 10 ppb

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Iron (Fe)	max. 50 ppb
Gallium (Ga)	max. 10 ppb
Germanium (Ge)	max. 10 ppb
Potassium (K)	max. 50 ppb
Lithium (Li)	max. 10 ppb
Magnesium (Mg)	max. 20 ppb
Manganese (Mn)	max. 10 ppb
Sodium (Na)	max. 50 ppb
Niobium (Nb)	max. 20 ppb
Nickel (Ni)	max. 10 ppb
Lead (Pb)	max. 10 ppb
Antimony (Sb)	max. 10 ppb
Silicon (Si)	max. 30 ppb
Tin (Sn)	max. 20 ppb
Strontium (Sr)	max. 20 ppb
Tantalum (Ta)	max. 20 ppb
Titanium (Ti)	max. 20 ppb
Thallium (Tl)	max. 20 ppb
Vanadium (V)	max. 10 ppb
Zinc (Zn)	max. 20 ppb
Zirconium (Zr)	max. 10 ppb
Particle count > 0,5 µm	max. 80 P/ml
Particle count > 1,0 µm	max. 10 P/ml
Filtered through 0,2 µm	
Filled under inert gas	

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