

Sulfuric Acid 81%, VLSI

H ₂ SO ₄	FW. 98.08	Density 1 L = 1.74 Kg.
CAS-No.	7664-93-9	Melting Point 2.5 °C
Code	VL1151	Boiling Point 210 °C

Specifications

Assay (by acidimetry)	81 - 82%	
Color (APHA)	10	max.
Residue after Ignition	3	ppm max.
Substances reducing permanganate (as SO ₂)	1	ppm max.
Ammonium (NH ₄)	0.5	ppm max.
Chloride (Cl)	0.1	ppm max.
Nitrate (NO ₃)	0.2	ppm max.
Phosphate (PO ₄)	0.2	ppm max.
Aluminium (Al)	50	ppb max.
Arsenic and Antimony (as As)	5	ppb max.
Barium (Ba)	50	ppb max.
Beryllium (Be)	20	ppb max.
Bismuth (Bi)	50	ppb max.
Boron (B)	20	ppb max.
Cadmium (Cd)	10	ppb max.
Calcium (Ca)	200	ppb max.
Chromium (Cr)	20	ppb max.
Cobalt (Co)	20	ppb max.
Copper (Cu)	10	ppb max.
Gallium (Ga)	20	ppb max.
Germanium (Ge)	100	ppb max.
Gold (Au)	100	ppb max.
Indium (In)	20	ppb max.
Iron (Fe)	100	ppb max.
Lead (Pb)	10	ppb max.
Lithium (Li)	20	ppb max.
Magnesium (Mg)	50	ppb max.
Manganese (Mn)	20	ppb max.
Molybdenum (Mo)	50	ppb max.
Nickel (Ni)	20	ppb max.
Platinum (Pt)	100	ppb max.
Potassium (K)	100	ppb max.
Silver (Ag)	20	ppb max.
Sodium (Na)	200	ppb max.
Strontium (Sr)	10	ppb max.
Thallium (Tl)	50	ppb max.
Tin (Sn)	100	ppb max.
Titanium (Ti)	100	ppb max.
Vanadium (V)	50	ppb max.
Zinc (Zn)	20	ppb max.
Zirconium (Zr)	100	ppb max.

Product passed through 1 micron final filter.

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S-QC03-VL-A-S081 / RV.00 / Eff.date 01-03-13