

Sulfuric Acid 40%, Electropure

H ₂ SO ₄	FW. 98.08	Density 1 L = 1.30 Kg.
CAS-No.	7664-93-9	Melting Point - 68.2 °C
Code	EP1183	Boiling Point 113.4 °C

Specifications

Assay (by acidimetry)	39.0 - 41.0%
Color (APHA)	10 max.
Residue after Ignition	3 ppm max.
Substances reducing permanganate (as SO ₂)	2 ppm max.
Ammonium (NH ₄)	2 ppm max.
Chloride (Cl)	0.1 ppm max.
Nitrate (NO ₃)	0.2 ppm max.
Phosphate (PO ₄)	0.5 ppm max.
Aluminium (Al)	0.05 ppm max.
Arsenic and Antimony (as As)	0.01 ppm max.
Barium (Ba)	0.05 ppm max.
Beryllium (Be)	0.02 ppm max.
Bismuth (Bi)	0.1 ppm max.
Boron (B)	0.05 ppm max.
Cadmium (Cd)	0.05 ppm max.
Calcium (Ca)	0.2 ppm max.
Chromium (Cr)	0.02 ppm max.
Cobalt (Co)	0.02 ppm max.
Copper (Cu)	0.01 ppm max.
Gallium (Ga)	0.02 ppm max.
Germanium (Ge)	0.1 ppm max.
Gold (Au)	0.1 ppm max.
Indium (In)	0.02 ppm max.
Iron (Fe)	0.1 ppm max.
Lead (Pb)	0.05 ppm max.
Lithium (Li)	0.02 ppm max.
Magnesium (Mg)	0.1 ppm max.
Manganese (Mn)	0.02 ppm max.
Molybdenum (Mo)	0.05 ppm max.
Nickel (Ni)	0.02 ppm max.
Potassium (K)	0.1 ppm max.
Silver (Ag)	0.02 ppm max.
Sodium (Na)	0.5 ppm max.
Strontium (Sr)	0.05 ppm max.
Thallium (Tl)	0.05 ppm max.
Tin (Sn)	0.05 ppm max.
Titanium (Ti)	0.1 ppm max.
Vanadium (V)	0.05 ppm max.
Zinc (Zn)	0.1 ppm max.
Zirconium (Zr)	0.1 ppm max.

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