



Fisher Chemical

TRACEMETAL GRADE SULPHURIC ACID SPECIFICATION

<i>Fisher Chemical</i>	Maximum Specifications		
TraceMetal Grade	TraceMetal Grade Sulphuric Acid, A510		
Assay (H ₂ SO ₄ , w/w)	93 - 98%		
Colour (APHA)	10		
Analyte	Trace Impurities (in ppb)	Analyte	Trace Impurities (in ppb)
Aluminum (Al)		Molybdenum (Mo)	0.5
Antimony (Sb)		Neodymium (Nd)	0.1
Arsenic (As)	0.5	Nickel (Ni)	0.5
Barium (Ba)	0.1	Niobium (Nb)	0.1
Beryllium (Be)	0.1	Palladium (Pd)	Information Only
Bismuth (Bi)	0.1	Platinum (Pt)	Information Only
Cadmium (Cd)	0.5	Potassium (K)	1
Calcium (Ca)	1	Praseodymium (Pr)	0.1
Cerium (Ce)	0.1	Rhodium (Rh)	0.5
Cesium (Cs)	0.1	Rubidium (Rb)	0.5
Chromium (Cr)	0.5	Samarium (Sm)	0.1
Cobalt (Co)	0.5	Scandium (Sc)	0.1
Copper (Cu)	0.5	Selenium (Se)	10
Dysprosium (Dy)	0.1	Silver (Ag)	
Erbium (Er)	0.1	Sodium (Na)	
Europium (Eu)	0.1	Strontium (Sr)	0.5
Gadolinium (Gd)	0.1	Tantalum (Ta)	Information Only
Gallium (Ga)	0.1	Tellurium (Te)	0.1
Germanium (Ge)	1	Terbium (Tb)	0.1
Gold (Au)	0.5	Thallium (Tl)	0.1
Hafnium (Hf)	0.1	Thorium (Th)	0.1
Holmium (Ho)	0.1	Thulium (Tm)	0.1
Indium (In)	0.1	Tin (Sn)	
Iron (Fe)	1	Titanium (Ti)	
Lanthanum (La)	0.1	Tungsten (W)	0.5
Lead (Pb)	0.1	Uranium (U)	0.1
Lithium (Li)	0.5	Vanadium (V)	0.5
Lutetium (Lu)	0.1	Ytterbium (Yb)	0.1
Magnesium (Mg)	1	Yttrium (Y)	0.1
Manganese (Mn)	0.5	Zinc (Zn)	1
Mercury (Hg)	0.1	Zirconium (Zr)	0.5
Analyte	Trace Impurities (in ppm)	Analyte	Trace Impurities (in ppm)
Chloride (Cl)	0.7	Nitrate (NO ₃)	0.2
Total Phosphorus (P)	0.05	Substances reducing Permanganate	20

H₂SO₄ (93 - 98%): Properties
Molar Mass: 98.07 g/mol

Density: 1.84 g/ml

Molarity: 18 moles/litre

Normality: 36 moles/litre



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