



**ChemPure* Brand
Chemicals**

Product Code: CP-M2558
Lot #: 2018112787

Certificate Of Analysis

...Pure Quality


Chemical Name: **Sulfuric Acid**
ACS/Trace Metal
Chemical Formula: H₂SO₄

F.W.: 98.08
CAS: 7664-93-9
Density: 1.8400 kg/L

Analytical Results		
Item	Specifications	Analysis
Chloride (Cl)	0.1 ppm max.	<0.05 ppm
Chromium (Cr)	6 ppb max.	0.2 ppb
Cobalt (Co)	1 ppb max.	<0.05 ppb
Color (APHA)	10 max.	3
Copper (Cu)	1 ppb max.	0.1 ppb
Gallium (Ga)	10 ppb max.	<0.05 ppb
Germanium (Ge)	10 ppb max.	<0.2 ppb
Gold (Au)	10 ppb max.	<1 ppb
Heavy Metals (as Pb)	400 ppb max.	<6 ppb
Aluminum (Al)	30 ppb max.	1 ppb
Ammonium (NH ₄)	2 ppm max.	<2 ppm
Iron (Fe)	50 ppb max.	2.3 ppb
Lead (Pb)	1 ppb max.	<0.05 ppb
Lithium (Li)	10 ppb max.	<0.05 ppb
Magnesium (Mg)	7 ppb max.	<0.5 ppb
Antimony (Sb)	4 ppb max.	<0.05 ppb
Manganese (Mn)	1 ppb max.	<0.1 ppb
Appearance	Free from suspended matter	Passes Test
Mercury (Hg)	5 ppb max.	<5 ppb
Molybdenum (Mo)	10 ppb max.	0.06 ppb
Nickel (Ni)	2 ppb max.	0.3 ppb
Niobium (Nb)	10 ppb max.	<0.02 ppb
Nitrate (NO ₃)	0.2 ppm max.	<0.1 ppm
Arsenic (As)	4 ppb max.	<0.1 ppb
Phosphate (PO ₄)	0.5 ppm max.	<0.05 ppm
Potassium (K)	300 ppb max.	<1 ppb
Residue After Ignition	5 ppm max.	<5 ppm
Silicon (Si)	100 ppb max.	<50 ppb

Remarks:

It is certified that the above copy is a true copy of the actual lot analysis.


Eddy Santiago
Quality Assurance Manager

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Item	Specifications	Analysis
Silver (Ag)	1 ppb max.	<0.05 ppb
Sodium (Na)	300 ppb max.	12 ppb
Strontium (Sr)	5 ppb max.	<0.1 ppb
Substances Reducing Permanganate (ACS Method)	2 ppm max.	<2 ppm
Tantalum (Ta)	10 ppb max.	<0.02 ppb
Thallium (Tl)	20 ppb max.	<0.02 ppb
Tin (Sn)	5 ppb max.	0.1 ppb
Titanium (Ti)	10 ppb max.	<2 ppb
Vanadium (V)	10 ppb max.	<1 ppb
Zinc (Zn)	5 ppb max.	<1 ppb
Zirconium (Zr)	10 ppb max.	<0.05 ppb
Assay (H ₂ SO ₄)	95.0 - 98.0%	96.4%
Barium (Ba)	10 ppb max.	<0.05 ppb
Beryllium (Be)	10 ppb max.	<0.05 ppb
Bismuth (Bi)	10 ppb max.	<0.02 ppb
Boron (B)	10 ppb max.	<5 ppb
Cadmium (Cd)	2 ppb max.	0.07 ppb
Calcium (Ca)	50 ppb max.	4 ppb

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