

Product Code: **CP-A2558P**Lot #: **2013071878XX**

# Certificate Of Analysis

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

Chemical Formula: **H2SO4**

F.W.: **98.0800**  
CAS: **7664-93-9**  
Density: **1.8400 kg/L**

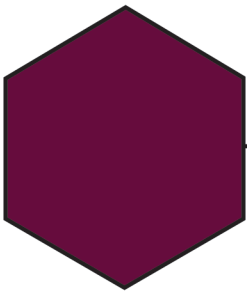
Analytical Results		
Item	Specifications	Analysis
Chloride (Cl)	0.1 ppm max.	<0.05 ppm
Chromium (Cr)	0.2 ppm max.	0.0016 ppm
Cobalt (Co)	0.5 ppm max.	<0.00005 ppm
Color (APHA)	10 max.	9
Copper (Cu)	0.1 ppm max.	<0.00008 ppm
Gallium (Ga)	0.5 ppm max.	<0.00002 ppm
Germanium (Ge)	0.5 ppm max.	<0.00005 ppm
Gold (Au)	0.3 ppm max.	<0.00005 ppm
Heavy Metals (as Pb)	0.4 ppm max.	<0.05 ppm
Aluminum (Al)	0.2 ppm max.	0.0011 ppm
Iron (Fe)	0.2 ppm max.	0.013 ppm
Lead (Pb)	0.3 ppm max.	<0.00002 ppm
Lithium (Li)	0.5 ppm max.	<0.00005 ppm
Magnesium (Mg)	0.3 ppm max.	0.0014 ppm
Manganese (Mn)	0.2 ppm max.	0.00016 ppm
Manufacture Date	Record	07/15/2013
Appearance	Free from suspended matter	Passes Test
Nickel (Ni)	0.1 ppm max.	0.0011 ppm
Nitrate (NO3)	0.2 ppm max.	<0.1 ppm
Arsenic (As) & Antimony (Sb)	0.005 ppm max.	<0.0001 ppm
Particles (>1.0 micron for bottled material)	25 particles/mL max.	7 particles/mL
Phosphate (PO4)	0.5 ppm max.	<0.05 ppm
Potassium (K)	0.3 ppm max.	0.00068 ppm
Residue After Ignition	5 ppm max.	<5 ppm
Retest date		07/14/2019
Silicon (Si)	0.5 ppm max.	<0.05 ppm
Silver (Ag)	0.5 ppm max.	<0.00005 ppm

Remarks:

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



Daryn Browning  
Technical Director



**ChemPure\* Brand  
Chemicals**

Product Code: 563600-90000

Lot #: 2013071878

## Certificate Of Analysis

*...Pure Quality*

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

Chemical Formula: H<sub>2</sub>SO<sub>4</sub>

F.W.: 98.0800

CAS: 7664-93-9

Density: 1.8400 kg/L

Analytical Results		
Item	Specifications	Analysis
Sodium (Na)	0.3 ppm max.	0.0021 ppm
Strontium (Sr)	0.5 ppm max.	0.00002 ppm
Substances Reducing Permanganate (ACS Method)	To pass test	Passes Test
Tin (Sn)	0.2 ppm max.	<0.00005 ppm
Titanium (Ti)	0.3 ppm max.	<0.0005 ppm
Zinc (Zn)	0.2 ppm max.	<0.0005 ppm
Assay (H <sub>2</sub> SO <sub>4</sub> )	95.0 - 98.0%	96.0%
Barium (Ba)	0.5 ppm max.	0.00027 ppm
Boron (B)	0.01 ppm max.	<0.005 ppm
Cadmium (Cd)	0.5 ppm max.	<0.00005 ppm
Calcium (Ca)	0.3 ppm max.	0.012 ppm

Retest Date: 07/14/ 2019

Remarks:

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Technical Director