



**ChemPure* Brand
Chemicals**

Cust-Product Code: CP-D2558P
Lot #: 2022072605

...Pure Quality

CERTIFICATE OF ANALYSIS

PRODUCT NAME: **Sulfuric Acid**
Krystal Pure

F.W.: 98.0800

CHEMICAL FORMULA: H₂SO₄

CAS No: 7664-93-9

Density: 1.8427

ANALYTICAL RESULTS

ITEM	SPECIFICATIONS	ANALYSIS
Assay (H ₂ SO ₄)	95.0 - 97.0%	96.7%
Color (APHA)	10 max.	8
Residue After Ignition	2 ppm max.	1 ppm
Chloride (Cl)	0.1 ppm max.	<0.05 ppm
Nitrate (NO ₃)	0.2 ppm max.	0.2 ppm
Phosphate (PO ₄)	0.3 ppm max.	<0.05 ppm
Aluminum (Al)	50 ppb max.	<1 ppb
Arsenic and Antimony (as As)	5 ppb max.	<0.2 ppb
Barium (Ba)	10 ppb max.	0.05 ppb
Beryllium (Be)	10 ppb max.	<0.05 ppb
Bismuth (Bi)	20 ppb max.	<0.02 ppb
Boron (B)	10 ppb max.	<5 ppb
Cadmium (Cd)	10 ppb max.	<0.05 ppb
Calcium (Ca)	50 ppb max.	<4 ppb
Chromium (Cr)	50 ppb max.	<0.2 pb
Cobalt (Co)	10 ppb max.	<0.05 ppb
Copper (Cu)	10 ppb max.	<0.1 ppb
Gallium (Ga)	10 ppb max.	<0.05 ppb
Germanium (Ge)	10 ppb max.	<0.2 ppb
Gold (Au)	20 ppb max.	<1 ppb
Heavy Metals (as Pb)	200 ppb max.	<10 ppb
Iron (Fe)	100 ppb max.	<2 ppb
Lead (Pb)	20 ppb max.	<0.05 ppb
Lithium (Li)	10 ppb max.	<0.05 ppb
Magnesium (Mg)	50 ppb max.	<0.5 ppb
Manganese (Mn)	10 ppb max.	<0.1 ppb
Mercury (Hg)	5 ppb max.	<5 ppb
Molybdenum (Mo)	10 ppb max.	<0.05 ppb

Important. It is certified that the above is a true copy of the actual lot analysis. To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication. However, nothing herein shall constitute any express or implied warranty of merchantability or fitness for a particular purpose. The minimum shelf life is based on current knowledge and holds only for proper storage conditions in the original containers. We herewith confirm that the delivery is effected according to the technical conditions agreed. Particular properties of the products or the suitability for a particular area of application is not assured. It is the customer's responsibility to inspect and test the products in order to satisfy itself as to the suitability for the customer's particular purpose. This information is not intended to be all inclusive as to the manner and conditions of use, handling, storage, disposal, and other factors that may involve other or additional legal, environmental, safety or performance considerations, and CHEMPURE BRAND CHEMICALS assumes no liability whatsoever for the use of or reliance upon this information. Our technical personnel will be happy to respond to questions. Safe handling and use of the product remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as, recommendations to infringe any existing patents or to violate any Federal, State, Local or foreign laws. This document was produced electronically and is valid without a signature. ChemPure Quality Management.

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SUPPORT@CHEMPUREBRAND.COM - WWW.CHEMPUREBRAND.COM

ChemPure Brand Chemicals • P: 440.725.2802 • F: 734.405.6623 • 39103 Warren Rd., Westland, MI 48185



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ANALYTICAL RESULTS

ITEM	SPECIFICATIONS	ANALYSIS
Nickel (Ni)	10 ppb max.	0.1 ppb
Niobium (Nb)	10 ppb max.	<0.02 ppb
Potassium (K)	50 ppb max.	<1 ppb
Silicon (Si)	50 ppb max.	<50 ppb
Silver (Ag)	10 ppb max.	<0.05 ppb
Sodium (Na)	100 ppb max.	<7 ppb
Strontium (Sr)	10 ppb max.	0.1 ppb
Tantalum (Ta)	10 ppb max.	<0.02 ppb
Thallium (Tl)	20 ppb max.	<0.02 ppb
Tin (Sn)	50 ppb max.	<0.05 ppb
Titanium (Ti)	10 ppb max.	<2 ppb
Vanadium (V)	10 ppb max.	<1 ppb
Zinc (Zn)	50 ppb max.	1 ppb
Zirconium (Zr)	10 ppb max.	<0.05 ppb
Particles (> 0.5 micron)	150 particle/mL max.	Not Tested
Particles (≥ 1.0 micron)	25 particles/mL max.	Not Tested
Manufacture Date	XX/XX/XXXX	07/23/2022
Expiration Date	5 years from manufacture date	07/22/2027

REMARKS

* When packaged into bottles. Particle count applicable to bottled product only.

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Eddy Santiago
Quality Assurance Manager

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