

# Certificate of Analysis

**Product Name:** Veritas Trace Sulfuric Acid  
**Item #:** 7120  
**Lot #:** 22200059



## Certified Values:

Specifications (Max Limits or as Specified)	Pass/Fail	Numerical Results
Assay 93 - 98 %	Pass	95
Chloride 0.7 ppm Max	Pass	< 0.7
Color (APHA) 10 Max	Pass	< 10
Total Phosphorous (P) 0.05 ppm Max	Pass	< 0.05
Nitrate (NO <sub>3</sub> -) 0.2 ppm Max	Pass	< 0.2
Substances reducing permanganate (KMnO <sub>4</sub> ) 20 ppm Max	Pass	< 20
Aluminum (Al) 1 ppb Max	Pass	< 1
Antimony (Sb) 1 ppb Max	Pass	< 1
Arsenic (As) 0.5 ppb Max	Pass	< 0.5
Barium (Ba) 0.1 ppb Max	Pass	< 0.1
Beryllium (Be) 0.1 ppb Max	Pass	< 0.1
Bismuth (Bi) 0.1 ppb Max	Pass	< 0.1
Cadmium (Cd) 0.5 ppb Max	Pass	< 0.5
Calcium (Ca) 1 ppb Max	Pass	< 1
Cerium (Ce) 0.1 ppb Max	Pass	< 0.1
Cesium (Cs) 0.1 ppb Max	Pass	< 0.1

Not for direct use in food, cosmetics, finished pharmaceuticals or drug products. Supplier is not responsible for compliance with FDA Current Good Manufacturing Practice(cGMP) requirements, including without limitation those for finished drug products in 21 C.F.R Parts 210 and 211. Consult warranty limitations at

[www.gfschemicals.com/Terms-And-Conditions](http://www.gfschemicals.com/Terms-And-Conditions)

For resale by GFS authorized distributors only.

GFS Chemicals, Inc. P.O. Box 245 Powell, OH 43065 \* Signed Orig. Doc. On File  
1-800-858-9682 (U.S. and Canada) 1-740-881-5501 (International) 1-740-881-5989 (Fax)

Chromium (Cr) 0.5 ppb Max	Pass	< 0.5
Cobalt (Co) 0.5 ppb Max	Pass	< 0.5
Copper (Cu) 0.5 ppb Max	Pass	< 0.5
Dysprosium (Dy) 0.1 ppb Max	Pass	< 0.1
Erbium (Er) 0.1 ppb Max	Pass	< 0.1
Europium (Eu) 0.1 ppb Max	Pass	< 0.1
Gadolinium (Gd) 0.1 ppb Max	Pass	< 0.1
Gallium (Ga) 0.1 ppb Max	Pass	< 0.1
Germanium (Ge) 1 ppb Max	Pass	< 1
Gold (Au) 0.5 ppb Max	Pass	< 0.5
Hafnium (Hf) 0.1 ppb Max	Pass	< 0.1
Holmium (Ho) 0.1 ppb Max	Pass	< 0.1
Indium (In) 0.1 ppb Max	Pass	< 0.1
Iron (Fe) 1 ppb Max	Pass	< 1
Lanthanum (La) 0.1 ppb Max	Pass	< 0.1
Lead (Pb) 0.1 ppb Max	Pass	< 0.1
Lithium (Li) 0.5 ppb Max	Pass	< 0.5
Lutetium (Lu) 0.1 ppb Max	Pass	< 0.1
Magnesium (Mg) 1 ppb Max	Pass	< 1
Manganese (Mn) 0.5 ppb Max	Pass	< 0.5
Mercury (Hg) 0.1 ppb Max	Pass	< 0.1

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Molybdenum (Mo) 0.5 ppb Max	Pass	< 0.5
Neodymium (Nd) 0.1 ppb Max	Pass	< 0.1
Nickel (Ni) 0.5 ppb Max	Pass	< 0.5
Niobium (Nb) 0.1 ppb Max	Pass	< 0.1
Palladium (Pd) 0 ppb	Pass	<1
Platinum (Pt) 0 ppb	Pass	<1
Potassium (K) 1 ppb Max	Pass	< 1
Praseodymium (Pr) 0.1 ppb Max	Pass	< 0.1
Rhodium (Rh) 0.5 ppb Max	Pass	< 0.5
Rubidium (Rb) 0.5 ppb Max	Pass	< 0.5
Samarium (Sm) 0.1 ppb Max	Pass	< 0.1
Scandium (Sc) 0.1 ppb Max	Pass	< 0.1
Selenium (Se) 10 ppb Max	Pass	< 10
Silver (Ag) 1 ppb Max	Pass	< 1
Sodium (Na) 1 ppb Max	Pass	< 1
Strontium (Sr) 0.5 ppb Max	Pass	< 0.5
Tantalum (Ta) 0.5 ppb	Pass	< 1
Tellurium (Te) 0.1 ppb Max	Pass	< 0.1
Terbium (Tb) 0.1 ppb Max	Pass	< 0.1
Thallium (Tl) 0.1 ppb Max	Pass	< 0.1
Thorium (Th) 0.1 ppb Max	Pass	< 0.1
Thulium (Tm) 0.1 ppb Max	Pass	< 0.1

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Tin (Sn) 1 ppb Max	Pass	< 1
Titanium (Ti) 1 ppb Max	Pass	< 1
Tungsten (W) 0.5 ppb Max	Pass	< 0.5
Uranium (U) 0.1 ppb Max	Pass	< 0.1
Vanadium (V) 0.5 ppb Max	Pass	< 0.5
Ytterbium (Yb) 0.1 ppb Max	Pass	< 0.1
Yttrium (Y) 0.1 ppb Max	Pass	< 0.1
Zinc (Zn) 1 ppb Max	Pass	< 1
Zirconium (Zr) 0.5 ppb Max	Pass	< 0.5
Appearance - Clear, colorless liquid 0	Pass	Pass

**Status** Pass

**Comments**

**Certificate Create By:** Michael J. Firis  
**Best by:** August 9, 2025  
**Print Date:** Aug 16, 2022

**Signature on File**

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