

# Product Specifications

**PRODUCT NAME:** Sulfuric Acid  
Krystal Pure

**CHEMICAL FORMULA:** H<sub>2</sub>SO<sub>4</sub>

**Product Code:** 566800-90000  
**F.W.:** 98.0800  
**CAS No:** 7664-93-9  
**Density:** 1.84

| ITEM                                    | SPECIFICATIONS |
|-----------------------------------------|----------------|
| Assay (H <sub>2</sub> SO <sub>4</sub> ) | 95.0 - 97.0%   |
| Color (APHA)                            | 10 max.        |
| Residue After Ignition                  | 2 ppm max.     |
| Chloride (Cl)                           | 0.1 ppm max.   |
| Nitrate (NO <sub>3</sub> )              | 0.2 ppm max.   |
| Phosphate (PO <sub>4</sub> )            | 0.3 ppm max.   |
| Aluminum (Al)                           | 50 ppb max.    |
| Arsenic and Antimony (as As)            | 5 ppb max.     |
| Barium (Ba)                             | 10 ppb max.    |
| Beryllium (Be)                          | 10 ppb max.    |
| Bismuth (Bi)                            | 20 ppb max.    |
| Boron (B)                               | 10 ppb max.    |
| Cadmium (Cd)                            | 10 ppb max.    |
| Calcium (Ca)                            | 50 ppb max.    |
| Chromium (Cr)                           | 50 ppb max.    |
| Cobalt (Co)                             | 10 ppb max.    |
| Copper (Cu)                             | 10 ppb max.    |
| Gallium (Ga)                            | 10 ppb max.    |
| Germanium (Ge)                          | 10 ppb max.    |
| Gold (Au)                               | 20 ppb max.    |
| Heavy metals (by ICP-OES)               | 200 ppb max.   |
| Iron (Fe)                               | 100 ppb max.   |
| Lead (Pb)                               | 20 ppb max.    |
| Lithium (Li)                            | 10 ppb max.    |
| Magnesium (Mg)                          | 50 ppb max.    |
| Manganese (Mn)                          | 10 ppb max.    |
| Mercury (Hg)                            | 5 ppb max.     |
| Molybdenum (Mo)                         | 10 ppb max.    |
| Nickel (Ni)                             | 10 ppb max.    |
| Niobium (Nb)                            | 10 ppb max.    |
| Potassium (K)                           | 50 ppb max.    |
| Silicon (Si)                            | 50 ppb max.    |
| Silver (Ag)                             | 10 ppb max.    |
| Sodium (Na)                             | 100 ppb max.   |
| Strontium (Sr)                          | 10 ppb max.    |
| Tantalum (Ta)                           | 10 ppb max.    |
| Thallium (Tl)                           | 20 ppb max.    |
| Tin (Sn)                                | 50 ppb max.    |
| Titanium (Ti)                           | 10 ppb max.    |



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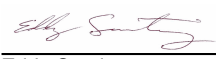
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|--------------------------|-------------------------------|
| Vanadium (V)             | 10 ppb max.                   |
| Zinc (Zn)                | 50 ppb max.                   |
| Zirconium (Zr)           | 10 ppb max.                   |
| Particles (> 0.5 micron) | 150 particle/mL max.          |
| Particles (≥ 1.0 micron) | 25 particles/mL max.          |
| Manufacture Date         | XX/XX/XXXX                    |
| Expiration Date          | 2 years from manufacture date |

## Remarks:

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

The above are the specifications, ranges and limits set for this product.

  
Eddy Santiago  
Quality Assurance Manager

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