

## Product Specification

Product Name:

**Sulfuric acid, PurTrace for Trace Analysis, >93%**

Product No.: PSR40034  
Brand: PureSynth  
CAS No.: 7664-93-9  
Molecular Formula: H<sub>2</sub>O<sub>4</sub>S  
Molecular Weight: 98.08 g/mol

| Test            | Specification    |
|-----------------|------------------|
| Appearance      | Colorless Liquid |
| Assay           | > 93.0 %         |
| Silver (Ag)     | NMT 1.0 ppb      |
| Aluminium (Al)  | NMT 5.0 ppb      |
| Arsenic (As)    | NMT 0.001 ppm    |
| Gold (Au)       | NMT 1.0 ppb      |
| Barium (Ba)     | NMT 1.0 ppb      |
| Beryllium (Be)  | NMT 0.5 ppb      |
| Bismuth (Bi)    | NMT 0.5 ppb      |
| Calcium (Ca)    | NMT 20.0 ppb     |
| Cadmium (Cd)    | NMT 0.5 ppb      |
| Cerium (Ce)     | NMT 0.5 ppb      |
| Cobalt (Co)     | NMT 0.5 ppb      |
| Chromium (Cr)   | NMT 1.0 ppb      |
| Cesium (Cs)     | NMT 0.5 ppb      |
| Copper (Cu)     | NMT 1.0 ppb      |
| Iron (Fe)       | NMT 10.0 ppb     |
| Gallium (Ga)    | NMT 0.5 ppb      |
| Germanium (Ge)  | NMT 1.0 ppb      |
| Mercury (Hg)    | NMT 0.5 ppb      |
| Potassium (K)   | NMT 10.0 ppb     |
| Lithium (Li)    | NMT 0.5 ppb      |
| Magnesium (Mg)  | NMT 5.0 ppb      |
| Manganese (Mn)  | NMT 0.5 ppb      |
| Molybdenum (Mo) | NMT 0.5 ppb      |
| Sodium (Na)     | NMT 20.0 ppb     |
| Nickel (Ni)     | NMT 2.0 ppb      |
| Lead (Pb)       | NMT 1.0 ppb      |
| Palladium (Pd)  | NMT 0.5 ppb      |
| Platinum (Pt)   | NMT 0.5 ppb      |

The information represented here may/may not represent the entire product specification and application recommended by PureSynth Research Chemicals. This information is for the user scientists or trading community as a guide in their applications. The company claims no liability for misuse resulting due to wrong usage of the information above.  
For queries on this Specifications, please contact our technical team at [technical@pure-synth.com](mailto:technical@pure-synth.com)

64683 Einhausen Marie-Curie-StraBe. 3, Germany

Website: [www.pure-synth.com](http://www.pure-synth.com)

Phone: 1800-8908-260

Email: [info@pure-synth.com](mailto:info@pure-synth.com)

|                              |               |
|------------------------------|---------------|
| Rubidium (Rb)                | NMT 0.5 ppb   |
| Rhodium (Rh)                 | NMT 0.5 ppb   |
| Antimony (Sb)                | NMT 1.0 ppb   |
| Selenium (Se)                | NMT 0.005 ppm |
| Tin (Sn)                     | NMT 1.0 ppb   |
| Strontium (Sr)               | NMT 0.5 ppb   |
| Titanium (Ti)                | NMT 1.0 ppb   |
| Thallium (Tl)                | NMT 0.5 ppb   |
| Vanadium (V)                 | NMT 1.0 ppb   |
| Zinc (Zn)                    | NMT 5.0 ppb   |
| Zirconium (Zr)               | NMT 0.5 ppb   |
| Chloride (Cl)                | NMT 0.1 ppm   |
| Nitrate (NO <sub>3</sub> )   | NMT 0.2 ppm   |
| Phosphate (PO <sub>4</sub> ) | NMT 0.5 ppm   |

---

The information represented here may/may not represent the entire product specification and application recommended by PureSynth Research Chemicals. This information is for the user scientists or trading community as a guide in their applications. The company claims no liability for misuse resulting due to wrong usage of the information above.  
For queries on this Specifications, please contact our technical team at [technical@pure-synth.com](mailto:technical@pure-synth.com)