

## Product Specification

Product Name:

**Sulphuric acid **PurTrace** Ultra for Ultra Trace Analysis, 95.0-97.0%**

Product No.: PSR45048  
Brand: PureSynth  
CAS No.: 7664-93-9  
Molecular Formula: H<sub>2</sub>SO<sub>4</sub>  
Molecular Weight: 98.08 g/mol



| Test            | Specification    |
|-----------------|------------------|
| Appearance      | Colorless liquid |
| Assay           | 95.0 - 97.0 %    |
| Aluminium (Al)  | NMT 0.5 ppb      |
| Antimony (Sb)   | NMT 0.05 ppb     |
| Arsenic (As)    | NMT 1.0 ppb      |
| Barium (Ba)     | NMT 0.02 ppb     |
| Beryllium (Be)  | NMT 0.01 ppb     |
| Bismuth (Bi)    | NMT 0.01 ppb     |
| Cadmium (Cd)    | NMT 0.01 ppb     |
| Calcium (Ca)    | NMT 2.0 ppb      |
| Cerium (Ce)     | NMT 0.01 ppb     |
| Cesium (Cs)     | NMT 0.01 ppb     |
| Chromium (Cr)   | NMT 0.05 ppb     |
| Cobalt (Co)     | NMT 0.01 ppb     |
| Copper (Cu)     | NMT 0.5 ppb      |
| Dysprosium (Dy) | NMT 0.01 ppb     |
| Erbium (Er)     | NMT 0.01 ppb     |
| Europium (Eu)   | NMT 0.01 ppb     |
| Gadolinium (Gd) | NMT 0.01 ppb     |
| Gallium (Ga)    | NMT 0.01 ppb     |
| Hafnium (Hf)    | NMT 0.01 ppb     |
| Holmium (Ho)    | NMT 0.01 ppb     |
| Indium (In)     | NMT 0.01 ppb     |
| Iron (Fe)       | NMT 0.5 ppb      |
| Lanthanum (La)  | NMT 0.01 ppb     |
| Lead (Pb)       | NMT 0.05 ppb     |
| Lithium (Li)    | NMT 0.02 ppb     |
| Lutetium (Lu)   | NMT 0.01 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)

|                   |               |
|-------------------|---------------|
| Magnesium (Mg)    | NMT 0.2 ppb   |
| Manganese (Mn)    | NMT 0.02 ppb  |
| Mercury (Hg)      | NMT 0.5 ppb   |
| Molybdenum (Mo)   | NMT 0.05 ppb  |
| Neodymium (Nd)    | NMT 0.01 ppb  |
| Nickel (Ni)       | NMT 0.1 ppb   |
| Niobium (Nb)      | NMT 0.01 ppb  |
| Palladium (Pd)    | NMT 0.01 ppb  |
| Platinum (Pt)     | NMT 0.01 ppb  |
| Potassium (K)     | NMT 0.5 ppb   |
| Praseodymium (Pr) | NMT 0.01 ppb  |
| Rhodium (Rh)      | NMT 0.01 ppb  |
| Rubidium (Rb)     | NMT 0.01 ppb  |
| Samarium (Sm)     | NMT 0.01 ppb  |
| Scandium (Sc)     | NMT 0.02 ppb  |
| Selenium (Se)     | NMT 0.001 ppb |
| Silver (Ag)       | NMT 0.01 ppb  |
| Sodium (Na)       | NMT 1.0 ppb   |
| Strontium (Sr)    | NMT 0.01 ppb  |
| Tellurium (Te)    | NMT 0.01 ppb  |
| Terbium (Tb)      | NMT 0.01 ppb  |
| Thallium (Tl)     | NMT 0.01 ppb  |
| Thorium (Th)      | NMT 0.01 ppb  |
| Thulium (Tm)      | NMT 0.01 ppb  |
| Tin (Sn)          | NMT 0.5 ppb   |
| Titanium (Ti)     | NMT 0.1 ppb   |
| Tungsten (W)      | NMT 0.01 ppb  |
| Uran (U)          | NMT 0.01 ppb  |
| Vanadium (V)      | NMT 0.01 ppb  |
| Ytterbium (Yb)    | NMT 0.01 ppb  |
| Yttrium (Y)       | NMT 0.01 ppb  |
| Zinc (Zn)         | NMT 0.5 ppb   |
| Zirconium (Zr)    | NMT 0.02 ppb  |

Specification: PU-1.0-QA/006

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