

## Certificate of Analysis

Product Name:

**Sulphuric acid Semiconductor Grade, PurElectra, 93.0 – 98.0 %**

Product No.: PSR49975  
Lot No.: Sample COA  
Brand: PureSynth  
CAS No.: 7664-93-9  
Molecular Formula: H<sub>2</sub>SO<sub>4</sub>  
Molecular Weight: 98.08 g/mol  
Date of Mfg.: NA  
Date of Exp.: NA

Test	Specification	Result
Appearance	Colourless liquid	Colourless liquid
Assay (By GC)	93.0 – 98.0 %	96.2 %
Residue after evaporation	NMT 5 ppm	4.90 ppm
Density (at 20 °C)	1.830-1.850 g/cm <sup>3</sup>	1.840 g/cm <sup>3</sup>
Aluminium (Al)	NMT 10 ppt	8.25 ppt
Antimony (Sb)	NMT 10 ppt	9.0 ppt
Barium (Ba)	NMT 10 ppt	8.14 ppt
Beryllium (Be)	NMT 10 ppt	9.13 ppt
Bismuth (Bi)	NMT 10 ppt	8.67 ppt
Cadmium (Cd)	NMT 10 ppt	8.23 ppt
Cerium (Ce)	NMT 10 ppt	7.0 ppt
Cesium (Cs)	NMT 10 ppt	9.37 ppt
Chromium (Cr)	NMT 10 ppt	8.45 ppt
Cobalt (Co)	NMT 10 ppt	8.98 ppt
Copper (Cu)	NMT 10 ppt	9.05 ppt
Dysprosium (Dy)	NMT 10 ppt	7.98 ppt
Erbium (Er)	NMT 10 ppt	8.87 ppt
Europium (Eu)	NMT 10 ppt	8.38 ppt
Gadolinium (Gd)	NMT 10 ppt	9.35 ppt
Gallium (Ga)	NMT 10 ppt	7.55 ppt
Germanium (Ge)	NMT 10 ppt	8.97 ppt
Hafnium (Hf)	NMT 10 ppt	7.85 ppt
Holmium (Ho)	NMT 10 ppt	8.0 ppt
Indium (In)	NMT 10 ppt	9.0 ppt
Iron (Fe)	NMT 10 ppt	7.96 ppt
Lanthanum (La)	NMT 10 ppt	8.45 ppt
Lead (Pb)	NMT 10 ppt	9.25 ppt

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.  
For queries on this COA, please contact our technical team at [technical@pure-synth.com](mailto:technical@pure-synth.com)

Magnesium (Mg)	NMT 10 ppt	8.47 ppt
Manganese (Mn)	NMT 10 ppt	9.24 ppt
Molybdenum (Mo)	NMT 10 ppt	8.37 ppt
Neodymium (Nd)	NMT 10 ppt	7.34 ppt
Nickel (Ni)	NMT 10 ppt	9.0 ppt
Niobium (Nb)	NMT 10 ppt	8.67 ppt
Palladium (Pd)	NMT 10 ppt	8.60 ppt
Platinum (Pt)	NMT 10 ppt	9.23 ppt
Potassium (K)	NMT 10 ppt	8.67 ppt
Praseodymium (Pr)	NMT 10 ppt	7.80 ppt
Rhodium (Rh)	NMT 10 ppt	8.88 ppt
Rubidium (Rb)	NMT 10 ppt	9.37 ppt
Samarium (Sm)	NMT 10 ppt	8.78 ppt
Scandium (Sc)	NMT 10 ppt	8.20 ppt
Silver (Ag)	NMT 10 ppt	9.10 ppt
Sodium (Na)	NMT 10 ppt	9.55 ppt
Strontium (Sr)	NMT 10 ppt	9.49 ppt
Tantalum (Ta)	NMT 10 ppt	8.35 ppt
Tellurium (Te)	NMT 10 ppt	8.78 ppt
Terbium (Tb)	NMT 10 ppt	8.0 ppt
Thallium (Tl)	NMT 10 ppt	9.55 ppt
Thorium (Th)	NMT 10 ppt	8.56 ppt
Thulium (Tm)	NMT 10 ppt	9.76 ppt
Tin (Sn)	NMT 10 ppt	9.68 ppt
Titanium (Ti)	NMT 10 ppt	9.23 ppt
Tungsten (W)	NMT 10 ppt	8.42 ppt
Uranium (U)	NMT 10 ppt	9.0 ppt
Vanadium (V)	NMT 10 ppt	8.98 ppt
Ytterbium (Yb)	NMT 10 ppt	9.68 ppt
Yttrium (Y)	NMT 10 ppt	7.98 ppt
Zinc (Zn)	NMT 10 ppt	8.38 ppt
Zirconium (Zr)	NMT 10 ppt	9.18 ppt

---

**Remarks:**

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at [www.pure-synth.com](http://www.pure-synth.com)

Inspect on receipt

**Storage Condition:**

Store at Room Temperature and keep the container tightly closed.

PureSynth Research Chemicals GmbH

*This is electronically-generated copy & is valid without a signature*

---

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.

For queries on this COA, please contact our technical team at [technical@pure-synth.com](mailto:technical@pure-synth.com)