

Certificate of Analysis

Product Name:

Sulphuric acid *PurTrace* Ultrapure for Ultra Trace Analysis, 93-98%

Product No.: PSR50254
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 7664-93-9
Molecular Formula: H₂SO₄
Molecular Weight: 98.08 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless liquid	Colorless liquid
Assay	93.0 - 98.0 %	93.1 %
Aluminum (Al)	NMT 50 ppt	<2 ppt
Antimony (Sb)	NMT 50 ppt	<0.05 ppt
Arsenic (As)*	NMT 500 ppt	<500 ppt
Barium (Ba)	NMT 10 ppt	<0.1 ppt
Beryllium (Be)	NMT 10 ppt	<0.01 ppt
Bismuth (Bi)	NMT 10 ppt	<0.01 ppt
Cadmium (Cd)	NMT 10 ppt	<0.02 ppt
Calcium (Ca)	NMT 50 ppt	<20 ppt
Cerium (Ce)	NMT 10 ppt	<0.01 ppt
Cesium (Cs)	NMT 10 ppt	<0.02 ppt
Chromium (Cr)	NMT 10 ppt	<0.2 ppt
Cobalt (Co)	NMT 10 ppt	<0.02 ppt
Copper (Cu)	NMT 10 ppt	<1 ppt
Dysprosium (Dy)	NMT 10 ppt	<0.01 ppt
Erbium (Er)	NMT 10 ppt	<0.01 ppt
Europium (Eu)	NMT 10 ppt	<0.01 ppt
Gadolinium (Gd)	NMT 10 ppt	<0.01 ppt
Gallium (Ga)	NMT 10 ppt	<0.01 ppt
Germanium (Ge)	NMT 100 ppt	<5 ppt
Hafnium (Hf)	NMT 10 ppt	<0.01 ppt
Holmium (Ho)	NMT 10 ppt	<0.01 ppt
Indium (In)	NMT 10 ppt	<0.01 ppt
Iron (Fe)	NMT 50 ppt	<5 ppt
Lanthanum (La)	NMT 10 ppt	<0.01 ppt
Lead (Pb)	NMT 100 ppt	<0.05 ppt

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The conditions are subject to change without prior notice.

For queries on this COA, please contact our technical team at technical@pure-synth.com

Lithium (Li)	NMT 10 ppt	<0.1 ppt
Lutetium (Lu)	NMT 10 ppt	<0.01 ppt
Magnesium (Mg)	NMT 50 ppt	<2 ppt
Manganese (Mn)	NMT 10 ppt	<0.5 ppt
Mercury (Hg)*	NMT 100 ppt	<20 ppt
Molybdenum (Mo)	NMT 10 ppt	<0.1 ppt
Neodymium (Nd)	NMT 10 ppt	<0.01 ppt
Nickel (Ni)	NMT 50 ppt	<5 ppt
Nobium (Nb)	NMT 10 ppt	<0.01 ppt
Palladium (Pd)	NMT 10 ppt	<1 ppt
Platinum (Pt)	NMT 10 ppt	<1 ppt
Potassium (K)	NMT 50 ppt	<5 ppt
Praseodymium (Pr)	NMT 10 ppt	<0.01 ppt
Rhodium (Rh)	NMT 50 ppt	<0.01 ppt
Rubidium (Rb)	NMT 10 ppt	<0.05 ppt
Samarium (Sm)	NMT 10 ppt	<0.01 ppt
Scandium (Sc)	NMT 10 ppt	<0.01 ppt
Selenium (Se)*	NMT 500 ppt	<500 ppt
Silver (Ag)	NMT 50 ppt	<0.01 ppt
Sodium (Na)	NMT 50 ppt	<10 ppt
Strontium (Sr)	NMT 10 ppt	<0.05 ppt
Tantalum (Ta)	NMT 10 ppt	<0.01 ppt
Tellurium (Te)	NMT 50 ppt	<0.02 ppt
Terbium (Tb)	NMT 10 ppt	<0.01 ppt
Thallium (Tl)	NMT 10 ppt	<0.01 ppt
Thorium (Th)	NMT 10 ppt	<0.01 ppt
Thulium (Tm)	NMT 10 ppt	<0.01 ppt
Tin (Sn)	NMT 50 ppt	<0.5 ppt
Titanium (Ti)	NMT 50 ppt	<1 ppt
Tungsten (W)	NMT 10 ppt	<0.05 ppt
Uranium (U)	NMT 10 ppt	<0.01 ppt
Vanadium (V)	NMT 10 ppt	<0.02 ppt
Ytterbium (Yb)	NMT 10 ppt	<0.01 ppt
Yttrium (Y)	NMT 10 ppt	<0.02 ppt
Zinc (Zn)	NMT 50 ppt	<2 ppt
Zirconium (Zr)	NMT 10 ppt	<0.1 ppt

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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

Inspect on receipt

*For volatile elements, the acid samples are diluted then directly injected into the ICP-MS.

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

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