

Certificate of Analysis

Product Name:

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

Product No.: PSR45048
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	95.0 - 97.0 %	96.1 %
Aluminium (Al)	NMT 0.5 ppb	<0.5 ppb
Antimony (Sb)	NMT 0.05 ppb	<0.05 ppb
Arsenic (As)	NMT 1.0 ppb	<1.0 ppb
Barium (Ba)	NMT 0.02 ppb	<0.02 ppb
Beryllium (Be)	NMT 0.01 ppb	<0.01 ppb
Bismuth (Bi)	NMT 0.01 ppb	<0.01 ppb
Cadmium (Cd)	NMT 0.01 ppb	<0.01 ppb
Calcium (Ca)	NMT 2.0 ppb	<2.0 ppb
Cerium (Ce)	NMT 0.01 ppb	<0.01 ppb
Cesium (Cs)	NMT 0.01 ppb	<0.01 ppb
Chromium (Cr)	NMT 0.05 ppb	<0.05 ppb
Cobalt (Co)	NMT 0.01 ppb	<0.01 ppb
Copper (Cu)	NMT 0.5 ppb	<0.5 ppb
Dysprosium (Dy)	NMT 0.01 ppb	<0.01 ppb
Erbium (Er)	NMT 0.01 ppb	<0.01 ppb
Europium (Eu)	NMT 0.01 ppb	<0.01 ppb
Gadolinium (Gd)	NMT 0.01 ppb	<0.01 ppb
Gallium (Ga)	NMT 0.01 ppb	<0.01 ppb
Hafnium (Hf)	NMT 0.01 ppb	<0.01 ppb
Holmium (Ho)	NMT 0.01 ppb	<0.01 ppb
Indium (In)	NMT 0.01 ppb	<0.01 ppb
Iron (Fe)	NMT 0.5 ppb	<0.5 ppb
Lanthanum (La)	NMT 0.01 ppb	<0.01 ppb
Lead (Pb)	NMT 0.05 ppb	<0.05 ppb

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

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

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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

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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