

Certificate of Analysis

Product Name:

Sulfuric acid - puriss. p.a., for determination of Hg, ACS reagent, reagent ISO, reagent Ph. Eur., 95.0-97.0%

Product Number: 30743
Batch Number: BCCN7176
Brand: SIGALD
CAS Number: 7664-93-9
Formula: H₂O₄S
Formula Weight: 98,08 g/mol
Quality Release Date: 19 AUG 2025
Recommended Retest Date: AUG 2028



Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Color Test	≤ 10 APHA	5 APHA
Titration with NaOH	95.0 - 97.0 %	96.8 %
Residue on Ignition	≤ 5 ppm	< 2 ppm
Reducing Substances	≤ 2 ppm	< 1 ppm
KMnO ₄ Red. Matter (as SO ₂) ≤ 2 ppm		
Silver (Ag)	≤ 0.02 ppm	< 0.02 ppm
Aluminum (Al)	≤ 0.05 ppm	< 0.05 ppm
Arsenic (As)	≤ 0.01 ppm	< 0.01 ppm
Barium (Ba)	≤ 0.05 ppm	< 0.05 ppm
Beryllium (Be)	≤ 0.01 ppm	< 0.01 ppm
Bismuth (Bi)	≤ 0.05 ppm	< 0.05 ppm
Calcium (Ca)	≤ 0.2 ppm	< 0.2 ppm
Cadmium (Cd)	≤ 0.02 ppm	< 0.02 ppm
Cobalt (Co)	≤ 0.01 ppm	< 0.01 ppm
Chromium (Cr)	≤ 0.05 ppm	< 0.05 ppm
Copper (Cu)	≤ 0.01 ppm	< 0.01 ppm
Iron (Fe)	≤ 0.10 ppm	< 0.10 ppm
Germanium (Ge)	≤ 0.05 ppm	< 0.05 ppm
Mercury (Hg)	≤ 0.005 ppm	< 0.005 ppm
Potassium (K)	≤ 0.1 ppm	< 0.1 ppm
Lithium (Li)	≤ 0.01 ppm	< 0.01 ppm

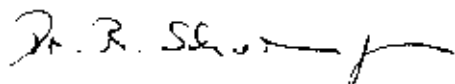
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Magnesium (Mg)	≤ 0.05 ppm	< 0.05 ppm
Manganese (Mn)	≤ 0.01 ppm	< 0.01 ppm
Molybdenum (Mo)	≤ 0.02 ppm	< 0.02 ppm
Sodium (Na)	≤ 0.5 ppm	< 0.5 ppm
Nickel (Ni)	≤ 0.02 ppm	< 0.02 ppm
Lead (Pb)	≤ 0.02 ppm	< 0.02 ppm
Strontium (Sr)	≤ 0.02 ppm	< 0.02 ppm
Titanium (Ti)	≤ 0.1 ppm	< 0.1 ppm
Thallium (Tl)	≤ 0.05 ppm	< 0.05 ppm
Vanadium (V)	≤ 0.01 ppm	< 0.01 ppm
Zinc (Zn)	≤ 0.05 ppm	< 0.05 ppm
Zirconium (Zr)	≤ 0.01 ppm	< 0.01 ppm
Ammonium	≤ 2 ppm	< 1 ppm
Chloride (Cl)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO ₃)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO ₄)	≤ 0.5 ppm	< 0.2 ppm



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland CH

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