

Certificate of Analysis

Sulfuric acid (H₂SO₄)

Ultrapure Analytical Reagent

Catalog No :	UP-10S	Date Certified :	Jul. 27, 2026
Lot :	US19G27A	Expiration :	Jan. 26, 2027
CAS No.:	7664-93-9	Packaging :	250ML in PFA Bottle
Grade :	Ultrapure	Identified uses :	Laboratory Reagent
Empirical Formula :	H ₂ SO ₄	Description :	For Trace Metal Analysis
Density :	1.84 g/cm ³	Storage Condition :	Room temp.

1. Chemical properties

Item	Unit	Spec.	Result
Assay(acidimetric)	as H ₂ SO ₄	96±2.0	96.4
Color	APHA	≤10	≤10
Particle	≥0.5um	≤100	≤100

2. Cation traces

[Unit : ppt]

Element	Result
Al (Aluminum)	≤10
As (Arsenic)	≤10
Au (Gold)	≤10
Ba (Barium)	≤10
Be (Beryllium)	≤10
Bi (Bismuth)	≤10
Ca (Calcium)	≤10
Cd (Cadmium)	≤10
Co (Cobalt)	≤10
Cr (Chromium)	≤10
Cu (Copper)	≤10
Fe (Iron)	≤10
Ga (Gallium)	≤10
Ge (Germanium)	≤10
Hf (Hafnium)	≤10
Mg (Magnesium)	≤10
In (Indium)	≤10
K (Potassium)	≤10
Li (Lithium)	≤10
Mn (Manganese)	≤10
Na (Sodium)	≤10

Nb (Niobium)	≤10
Ni (Nickel)	≤10
Pb (Lead)	≤10
Pd (Palladium)	≤10
Pt (Platinum)	≤10
Sb (Antimony)	≤10
Se (Selenium)	≤10
Sn (Tin)	≤10
Sr (Strontium)	≤10
Ta (Tantalum)	≤10
Te (Tellurium)	≤10
Ti (Titanium)	≤10
Th (Thorium)	≤10
Tl (Thallium)	≤10
U (Uranium)	≤10
W (Tungsten)	≤10
Zn (Zinc)	≤10
V (Vanadium)	≤10
Zr (Zirconium)	≤10

ICP-MS: Determination after evaporation to dryness with ICP-MS

ICP-MS*: Determination with ICP-MS

GFAAS**: Determination with graphite furnace atomic absorption spectrometry

Actual analysis values are subject to unavoidable systematic variations in this concentration range. Each metallic impurity level guaranteed to be 10 ppt or less. Open and use in a clean environment of CLASS 10 or higher. This product is for laboratory analysis and research purpose only. Keep tightly capped and stored under the conditions stated above. Products are tested by validated methods specified in the manufacturer's quality system. The manufacturer warrants that its products shall conform to the description of such as provided in its catalog or on the specific product label. This warranty is exclusive, and the manufacturer makes no other warranty, express implied, including any implied warranty of merchantability of fitness for any particular purpose.

For use in laboratory analysis.

Certified by :



JEONG, Inorganic QC Manager