



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis

**Product Name:** Sulfuric Acid

### Product Information

Product Number: SA-20260203 Batch Number: SA-B2026020301 Brand: SIGALD CAS Number: 7664-93-9 Formula:  $H_2SO_4$  Molecular Weight: 98.08 g/mol Purity Grade:  $\geq 98.0\%$  (w/w, Industrial Grade) Quality Release Date: 03 FEB 2025

Test Item	Specification (Industrial Grade, GB/T 534-2023)	Result	Test Method
Appearance	Colorless to pale yellow viscous liquid, no mechanical impurities	Colorless viscous liquid, no mechanical impurities	Visual Inspection
Purity ( $H_2SO_4$ Content)	$\geq 98.0\%$	98.3%	Titration Method (GB/T 534-2023)
Density (20°C, g/cm <sup>3</sup> )	1.83-1.85	1.84	Density Meter Method
Ash Content	$\leq 0.02\%$	0.008%	Ignition Method (800±50°C)
Iron (Fe) Content	$\leq 0.005\%$	0.002%	Atomic Absorption Spectrometry
Heavy Metals (Pb) Content	$\leq 0.0005\%$	0.0001%	Atomic Absorption Spectrometry
Chloride (Cl <sup>-</sup> ) Content	$\leq 0.0005\%$	0.0002%	Silver Nitrate Turbidimetry
Free Sulfur Trioxide (SO <sub>3</sub> ) Content	$\leq 2.0\%$	1.2%	Titration Method

This batch of product has been tested in accordance with GB/T 534-2023 and ASTM D1193 standards, meeting all specified requirements for Sulfuric Acid. It is qualified for use in chemical synthesis, metal processing, pharmaceutical and water treatment scenarios.  
Issue Date: 03 FEB 2025