

Material No.: 9681-69  
Batch No.: P21K106045  
Manufactured Date: 2021-11-09  
Retest Date: 2026-11-08  
Revision No.: 0

## Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay (H <sub>2</sub> SO <sub>4</sub> )	95.0 – 98.0 %	96.6 %
Appearance	Passes test	Passes test
Color (APHA)	≤ 10	5
Specific Gravity at 60°/60°F	≥ 1.84	1.85
Residue after Ignition	≤ 4 ppm	3 ppm
Substances Reducing Permanganate (as SO <sub>2</sub> )	≤ 2 ppm	2 ppm
Ammonium (NH <sub>4</sub> )	≤ 1 ppm	≤ 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.004 ppm	0.002 ppm
Chloride (Cl)	≤ 0.1 ppm	≤ 0.1 ppm
Nitrate (NO <sub>3</sub> )	≤ 0.5 ppm	0.2 ppm
Trace Impurities – Aluminum (Al)	≤ 200.0 ppb	12.0 ppb
Trace Impurities – Calcium (Ca)	≤ 200.0 ppb	30.0 ppb
Trace Impurities – Chromium (Cr)	≤ 100.0 ppb	4.0 ppb
Trace Impurities – Copper (Cu)	≤ 100.0 ppb	5.0 ppb
Trace Impurities – Gold (Au)	≤ 100.0 ppb	2.0 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	50.0 ppb
Trace Impurities – Iron (Fe)	≤ 200.0 ppb	20.0 ppb
Trace Impurities – Lead (Pb)	≤ 200.0 ppb	4.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 200.0 ppb	10.0 ppb
Trace Impurities – Manganese (Mn)	≤ 100.0 ppb	4.0 ppb
Trace Impurities – Mercury (Hg)	≤ 5.0 ppb	1.0 ppb
Trace Impurities – Nickel (Ni)	≤ 200.0 ppb	2.0 ppb
Trace Impurities – Potassium (K)	≤ 300.0 ppb	20.0 ppb
Trace Impurities – Sodium (Na)	≤ 300.0 ppb	20.0 ppb
Trace Impurities – Tin (Sn)	≤ 200.0 ppb	2.0 ppb
Trace Impurities – Titanium (Ti)	≤ 200.0 ppb	6.0 ppb
Trace Impurities – Zinc (Zn)	≤ 200.0 ppb	10.0 ppb

Sulfuric Acid  
BAKER ANALYZED® A.C.S. Reagent



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For Laboratory, Research, or Manufacturing Use  
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: Thailand

  
Jamie Ethier  
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700  
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