



Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

ThermoFisher Scientific's Quality System has been found to conform to Quality Management System
Standard ISO9001:2008 standard by SAI Global Certificate Number CERT - 0090918

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. ThermoFisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Certain products (USP/FCC/NF/EP/BP/JP grades) are sold for use in food, drug, or medical device manufacturing. ThermoFisher does not maintain DMF's with the FDA. The following are the actual analytical results obtained:

Catalog Number	A300	Quality Test / Release Date	06/11/2018
Lot Number	183220		
Description	SULFURIC ACID, CERTIFIED ACS		
Country of Origin	United States	Suggested Retest Date	Jun/2023
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		
Chemical Comment			

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	COLORLESS AND FREE FROM SUSPENDED OR INSOLUBLE MATTER
SODIUM (Na)	ppm	<= 0.3	<0.1
HEAVY METALS (as Pb)	ppm	<= 0.8	<0.1
BORON (B)	ppm	<= 0.05	<0.05
ZINC (Zn)	ppm	<= 0.2	<0.1
TIN (Sn)	ppm	<= 0.2	<0.1
TITANIUM (Ti)	ppm	<= 0.3	<0.1
PHOSPHATE (PO4)	ppm	<= 0.5	<0.1
POTASSIUM (K)	ppm	<= 0.3	<0.1
NITRATE (NO3)	ppm	<= 0.2	<0.1
NICKEL (Ni)	ppm	<= 0.1	<0.1
MANGANESE (Mn)	ppm	<= 0.2	<0.1
MERCURY (Hg)	ppb	<= 5	<5
ALUMINUM	ppm	<= 0.2	<0.1
AMMONIUM (NH4)	ppm	<= 1	<1
ARSENIC (As)	ppm	<= 0.004	<0.001
ASSAY	w/w %	Inclusive Between 95.0 - 98.0	96.0
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
GOLD (Au)	ppm	<= 0.3	<0.1
COPPER (Cu)	ppm	<= 0.1	<0.1
CHLORIDE	ppm	<= 0.1	<0.1
CHROMIUM (Cr)	ppm	<= 0.2	<0.1
MAGNESIUM (Mg)	ppm	<= 0.3	<0.1
CALCIUM (Ca)	ppm	<= 0.3	<0.1
COLOR	APHA	<= 10	<10

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above. If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.



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SUBSTANCES REDUCING KMNO4	ppm	<= 2	<2
LEAD (Pb)	ppm	<= 0.3	<0.1
IRON (Fe)	ppm	<= 0.2	<0.2
RESIDUE AFTER IGNITION	ppm	<= 3	<3

A handwritten signature in cursive script that reads "Jerusa Bailey-Wyche".

Quality Assurance Specialist - Certificate of Analysis Fair Lawn

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