

Certificate of Analysis

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

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120632

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. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	A242	Quality Test / Release Date	07/25/2022
Lot Number	221304		
Description	O-PHOSPHORIC ACID, ACS		
Country of Origin	China	Suggested Retest Date	Jul/2027
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.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ANTIMONY (Sb)	%	<= 0.002	<0.002
ARSENIC (As)	ppm	<= 0.5	<0.5
ASSAY	w/w %	>= 85.0	85.6
CALCIUM	%	<= 0.002	<0.002
CHLORIDE	ppm	<= 3	<3
COLOR	APHA	<= 10	<5
HEAVY METALS (as Pb)	%	<= 0.001	<0.001
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
INSOLUBLE MATTER	%	<= 0.001	<0.001
IRON (Fe)	%	<= 0.003	<0.003
MAGNESIUM	%	<= 0.002	<0.002
MANGANESE (Mn)	ppm	<= 0.5	<0.5
NITRATE (NO3)	ppm	<= 5	1 ppm
PHOSPHOROUS & HYPOPHOSPHOROUS ACID	PASS/FAIL	= PASS TEST	PASS TEST
POTASSIUM (K)	%	<= 0.005	<0.005
REACTION WITH H2SO4	PASS/FAIL	= PASS TEST	PASS TEST
REDUCING SUBSTANCES	PASS/FAIL	= PASS TEST	PASS TEST
SODIUM (Na)	%	<= 0.025	<0.025
SULFATE (SO4)	%	<= 0.001	<0.001
VOLATILE ACIDS	%	<= 0.001	0.0005

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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Ira Marootian - Quality Control Manager - Bridgewater

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