



## 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	08/15/2019
Lot Number	193394		
Description	O-PHOSPHORIC ACID, ACS		
Country of Origin	China	Suggested Retest Date	Aug/2024
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			

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	CLEAR COLORLESS LIQUID
VOLATILE ACIDS	%	<= 0.001	0.0005
ANTIMONY (Sb)	%	<= 0.002	<0.0002
SODIUM (Na)	%	<= 0.025	<0.003
REACTION WITH H2SO4	PASS/FAIL	= PASS TEST	PASS TEST
REDUCING SUBSTANCES	PASS/FAIL	= PASS TEST	PASS TEST
POTASSIUM (K)	%	<= 0.005	<0.0005
PHOSPHOROUS & HYPOPHOSPHOROUS ACID	PASS/FAIL	= PASS TEST	PASS TEST
NITRATE (NO3)	ppm	<= 5	<5
MANGANESE (Mn)	ppm	<= 0.5	<0.5
MAGNESIUM	%	<= 0.002	<0.0002
IRON (Fe)	%	<= 0.003	<0.003
INSOLUBLE MATTER	%	<= 0.001	<0.0001
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
HEAVY METALS (as Pb)	%	<= 0.001	<0.001
COLOR	APHA	<= 10	5
CHLORIDE	ppm	<= 3	<3
CALCIUM	%	<= 0.002	<0.0002
ASSAY	w/w %	>= 85.0	85.2
ARSENIC (As)	ppm	<= 0.5	<0.5
SULFATE (SO4)	%	<= 0.001	<0.001

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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A handwritten signature in black ink that reads "Jeresa Bailey-Wyche". The signature is written in a cursive, flowing style.

Quality Assurance Specialist - Certificate of Analysis Bridgewater

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