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Certificate of Analysis

Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2008 standard by SAI Global Certificate Number CERT - 0064970

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. Fisher 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. Fisher does not claim regulatory coverage under 21 CFR nor maintain DMF's with the FDA. The following are the actual analytical results obtained:

Catalog Number	A242	Quality Test / Release Date 7/16/2015	
Lot Number	154771		
Description	O-PHOSPHORIC ACID, ACS		
Country of Origin	United States	* Suggested Retest Date	Jul-2020
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.		

Result name	Units	Specifications	Test Value
APPEARANCE		REPORT	CLEAR COLORLESS LIQUID
ANTIMONY (Sb)	%	<= 0.002	0.0007
ARSENIC (As)	ppm	<= 0.5	<0.5
ASSAY	w/w %	>= 85.0	85.5
CALCIUM	%	<= 0.002	<0.0002
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	<0.0001
IRON (Fe)	%	<= 0.003	<0.0030
MAGNESIUM	%	<= 0.002	0.0002
MANGANESE (Mn)	ppm	<= 0.5	<0.5
NITRATE (NO3)	ppm	<= 5	<5
PHOSPHOROUS & HYPOPHOSPHOROUS ACID	PASS/FAIL	= PASS TEST	PASS TEST
POTASSIUM (K)	%	<= 0.005	<0.001
REACTION WITH H2SO4	PASS/FAIL	= PASS TEST	PASS TEST
REDUCING SUBSTANCES	PASS/FAIL	= PASS TEST	PASS TEST
SODIUM (Na)	%	<= 0.025	<0.003
SULFATE (SO4)	%	<= 0.001	<0.001
VOLATILE ACIDS	%	<= 0.001	0.0005



Edgar E. Hara

Lab Manager BPF

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 Chemical Services at (800) 227-6701.

*Based on suggested storage condition.