

Certificate of Analysis

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Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

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	I77	Quality Test / Release Date	11/06/2023
Lot Number	233808		
Description	FERROUS AMMONIUM SULFATE, HEXAHYDRATE, CERTIFIED A.C.S.		
Country of Origin	United States	Suggested Retest Date	Nov/2028
Chemical Origin	Inorganic Synthetic Non Animal		
BSE/TSE Comment	BSE/TSE free.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Pale blue-green solid
ASSAY	%	Inclusive Between 98.5 - 101.5	99.6
CALCIUM (Ca)	%	<= 0.005	<0.001
COPPER (Cu)	%	<= 0.003	<0.001
FERRIC IRON (FE+3)	%	<= 0.01	0.01
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
INSOLUBLE MATTER	%	<= 0.01	<0.01
MAGNESIUM (Mg)	%	<= 0.002	<0.001
MANGANESE (Mn)	%	<= 0.01	<0.01
PH 5% SOLUTION @ 25 DEG C		Inclusive Between 3.0 - 5.0	3.6
PHOSPHATE (PO4)	%	<= 0.003	<0.003
POTASSIUM (K)	%	<= 0.002	0.001
SODIUM (Na)	%	<= 0.02	<0.01
ZINC (Zn)	%	<= 0.003	<0.0010



Harout Sahagian - Quality Control Supervisor - Fair Lawn

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.