Fisher Scientific L.L.C. US
1 Reagent Lane
Fair Lawn,
NJ 07410, United States of America

CERTIFICATE OF ANALYSIS

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

Catalogue Number	A114
Lot Number	256307
Description	AMMONIUM ACETATE (NH4OAC), OPTIMA LC/MS GRADE
CAS Number	631-61-8
Quality Test/Release Date	12/Nov/2025
Suggested retest date	31/Aug/2030
Country of Origin	China
Declaration of Origin	Organic - Non Animal
BSE/TSE	This chemical is manufactured without the use of raw materials of animal or human origin; therefore, there should be no issue with BSE or TSE.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	White fine crystals with lumps.
ASSAY	%	>= 99	99.8
CHLORIDE	%	<= 0.0005	<0.0005
HPLC - UV GRADIENT SUITABILITY PDA (200 - 400 nm)	mAU	<= 2	<2
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IONIC IMPURITY - ALUMINUM (Al)	ppb	<= 20	<1
IONIC IMPURITY - CALCIUM (Ca)	ppb	<= 50	<1
IONIC IMPURITY - COPPER (Cu)	ppb	<= 10	<1
IONIC IMPURITY - IRON (Fe)	ppb	<= 10	<1
IONIC IMPURITY - LEAD (Pb)	ppb	<= 10	<1
IONIC IMPURITY - MAGNESIUM (Mg)	ppb	<= 10	<1
IONIC IMPURITY - MANGANESE (Mn)	ppb	<= 10	<1
IONIC IMPURITY - NICKEL (Ni)	ppb	<= 10	<1
IONIC IMPURITY - POTASSIUM (K)	ppb	<= 20	1
IONIC IMPURITY - SILVER (Ag)	ppb	<= 10	<1
IONIC IMPURITY - SODIUM (Na)	ppb	<= 50	1
IONIC IMPURITY - ZINC (Zn)	ppb	<= 20	<1
LC-MS GRADIENT SUITABILITY	PASS/FAIL	= PASS TEST	PASS TEST
NITRATE (NO3)	%	<= 0.001	<0.001
PROTEASE	PASS/FAIL	= NOT DETECTED	NOT DETECTED
RESIDUE AFTER IGNITION	%	<= 0.01	<0.002
WATER (H2O)	%	<= 1	1

Additional Information Metals tested as 0.1 % (wt/wt) solution in 2 % Nitric acid; LC-UV Gradient Suitability and LC-MS is tested at a 0.1 % aqueous solution; Protease is tested as a 0.1 % solution in water.



Harout Sahagian
QC Manager

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research use or further manufacturing. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.

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its intended use.

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