

## 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	A661
Lot Number	254929
Description	AMMONIUM CHLORIDE, A.C.S.
CAS Number	12125-02-9
Quality Test/Release Date	09/Dec/2025
Suggested retest date	24/Oct/2030
Country of Origin	Mexico
Declaration of Origin	Synthetic
BSE/TSE	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	White solid or crystals
ASSAY	%	>= 99.5	99.8
CALCIUM	%	<= 0.001	<0.001
HEAVY METALS BY ICP-OES	ppm	<= 5	<5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IGNITION RESIDUE	%	<= 0.01	<0.01
INSOLUBLE MATTER	%	<= 0.005	0.002
IRON (Fe)	ppm	<= 2	<2
MAGNESIUM	ppm	<= 5	2
PH 5% SOLUTION @ 25 DEG C		Inclusive Between 4.5 - 5.5	4.8
PHOSPHATE (PO4)	ppm	<= 2	<2
SULFATE (SO4)	%	<= 0.002	<0.002

Additional Information This product is free of genetically modified organisms (GMO's).



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 its intended use.

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.