

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	42330
Lot Number	B0793710
Description	AMMONIUM HYDROXIDE, ACS
CAS Number	1336-21-6
Quality Test/Release Date	09/Feb/2026
Expiration Date	01/Apr/2027
Country of Origin	Canada
Declaration of Origin	Inorganic-non animal
BSE/TSE	An inorganic product, free from ingredients of animal sources or any animal source products.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Colorless and free of sediment
ASSAY	%	Inclusive Between 28.0 - 30.0	29.1
CARBON DIOXIDE	%	<= 0.002	<0.002
CHLORIDE	ppm	<= 0.5	<0.5
HEAVY METALS (as Pb)	ppm	<= 0.5	<0.5
IRON (Fe)	ppm	<= 0.2	<0.2
NITRATE (NO3)	UG/G	<= 2	<2
PHOSPHATE (PO4)	ppm	<= 2	<2
RESIDUE AFTER IGNITION	%	<= 0.002	<0.002
SUBSTANCES REDUCING KMNO4	PASS/FAIL	IN PASS TEST	PASS TEST
SULFATE (SO4)	ppm	<= 2	<2

Ash Frey
Supervisor, Quality Control

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.