



CERTIFICATE OF ANALYSIS

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

Number. 2317548

Catalogue Number	42330
Lot Number	A0473732

Description Ammonium hydroxide, ACS reagent, 28-30% solution in water

CAS Number 1336-21-6
Quality Test/Release Date 03/Jul/2025
Suggested retest date 03/Jul/2028
Country of Origin SPAIN
Declaration of Origin synthetic

BSE/TSE

Not directly derived from or manufactured with any animal byproducts in any way

(Including but not limited to fermentation or nutrient broth, catalysts, enzymes).

Result Name	Units	Specifications	Test Value
Appearance (Color)		Clear colorless	Clear colorless
Appearance (Form)		Solution	Solution
Appearance		Free from suspended matter or sediment	Free from suspended matter or sediment
Titration with HCI	%	28.0 to 30.0 (as NH3)	29.0 (as NH3)
Heavy metals (as Pb)	ppm	=<0.5	=<0.5
Residue after ignition	%	=<0.002	=<0.001
KMnO4-reducing substance		Passes test	Passes test
Chloride (CI)	ppm	=<0.5	=<0.5
Phosphate (PO4)	ppm	=<2	=<1
Iron (Fe)	ppm	=<0.2	=<0.1
Sulfate (SO4)	ppm	=<2	=<2
Nitrate (NO3)	ppm	=<2	=<2
Carbon dioxide (CO2)	%	=<0.002	=<0.002

Geert Torfs

Supervisor, QC

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 and development use only. 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.