

## Certificate of Analysis

Date of Testing: 2024-04-19 12:00:06  
Date of Next Testing: 2028-04-18 12:00:06  
Product Name: **Ammonium chloride**  
CAS Number: 12125-02-9  
Specifications & Purity: Guaranteed Reagent, 99.8%  
Lot #: D2415195  
SKU #: **A116366**  
**Analysis:** **348424**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Sulfate(SO42-)	0-0.002 (%)	0.00 %
Potassium(K)	0-0.005 (%)	0.00 %
Sodium(Na)	0-0.005 (%)	0.00 %
Insoluble matter in H2O	0-0.002 (%)	0.00 %
Assay	99.8-100 (%)	99.99 %
Iron(Fe)	0-0.0002 (ppm)	0.00 ppm
Lead(Pb)	0-0.0001 (%)	0.00 %
PH(5% in water, 25°C)	4.5-5.5	5.20
Nickel(Ni)	0-0.0001 (%)	0.00 %
Magnesium(Mg)	0-0.0005 (%)	0.00 %
Copper(Cu)	0-0.0002 (%)	0.00 %
Zinc(Zn)	0-0.0002 (%)	0.00 %
Calcium(Ca)	0-0.0005 (µg/mg)	0.00 µg/mg
Phosphate(PO4)	0-0.0002 (%)	0.00 %
Ignition Residue (as sulfate)	0-0.005 (%)	0.00 %
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager