

## Certificate of Analysis

Date of Testing: 2022-09-20 15:57:53  
Date of Next Testing: 2026-09-19 15:57:53  
Product Name: **Ammonium chloride**  
CAS Number: 12125-02-9  
Specifications & Purity: ACS,99.5%  
Lot #: 12214339  
SKU #: **A116371**  
**Analysis:** **137586**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Magnesium(Mg)	0-5 (ppm)	0.41 ppm
Calcium(Ca)	0-0.001 (µg/mg)	0.00 µg/mg
Phosphate(PO4)	0-0.0002 (%)	0.00 %
Assay	99.5-100 (%)	99.80 %
PH(5% in water,25°C)	4.5-5.5	5.00
Ignition Residue (as sulfate)	0-0.01 (%)	0.00 %
Sulfate(SO42-)	0-0.002 (%)	0.00 %
Insoluble matter	0-0.005 (%)	0.00 %
Iron(Fe)	0-0.0002 (ppm)	0.00 ppm
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager