

# Certificate of Analysis

## Ammonium Chloride, ACS Reagent Grade

Lot Number: 2509S22

Product Number: RDCA0430

Date Packaged: SEP 17, 2025

Recommended Retest Date: OCT 2027

Chemical formula:  $\text{NH}_4\text{Cl}$ 

Formula weight: 53.49

**Contains** $\text{NH}_4\text{Cl}$  CAS No. 12125-02-9 MW 53.49

Test	Specification	Result
Assay	min 99.5 %	100.3 %
Calcium (Ca)	max 0.001 %	< 0.001 %
Heavy Metals (as Pb)	max 5 ppm	< 5 ppm
Insoluble Matter	max 0.005 %	0.003 %
Iron (Fe)	max 2 ppm	< 2 ppm
Magnesium (Mg)	max 5 ppm	< 5 ppm
pH of 5% Solution	4.5-5.5	5.0
Phosphate ( $\text{PO}_4$ )	max 2 ppm	< 2 ppm
Residue after Ignition	max 0.01 %	0.01 %
Sulfate ( $\text{SO}_4$ )	max 0.002 %	< 0.002 %

Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document traceability and production history for each lot manufactured.

Part Number	Size / Package Type
RDCA0430-2.5A5	2.5 kg poly natural

**Recommended Storage:** 15°C - 30°C (59°F - 86°F)

William Creese (09/17/2025)

Plant Manager

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