

# Certificate of Analysis

## Ammonium Chloride, ACS Reagent Grade

**Lot Number:** 4403F68**Product Number:** RDCA0430**Date Packaged:** MAR 08, 2024**Recommended Retest Date:** FEB 2026Chemical 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 %	99.7 %
Calcium (Ca)	max 0.001 %	0.001 %
Heavy Metals (as Pb)	max 5 ppm	< 5 ppm
Insoluble Matter	max 0.005 %	0.004 %
Iron (Fe)	max 2 ppm	< 2 ppm
Magnesium (Mg)	max 5 ppm	< 5 ppm
pH of 5% Solution	4.5-5.5	5.4
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
RDCA0430-500B1	500 g poly

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

Paul Brandon (03/08/2024)

Production Manager

This document is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

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