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CERTIFICATE OF ANALYSIS

Ammonium Nitrate

ACS

Nitric Acid Ammonium Salt

Catalog Number: A015
Lot Number: 01212001
CAS Number: 6484-52-2
Source: India, Synthetic

Molecular Formula: NH_4NO_3
Formula Weight: 80.04
Storage: 15° to 30°C
Retest Date: **31-Jul-2025**

| Test | Specifications | Results |
|------------------------------------|--------------------------|------------|
| Appearance | White to Clear Crystals | Pass |
| Identity Test | Passes Test | Pass |
| Assay | ≥ 98 % | 99.9 % |
| Insoluble Matter | ≤ 0.005 % | 0.003 % |
| Residue on Ignition | ≤ 0.01 % | 0.008 % |
| Chloride (Cl) | ≤ 0.0005 % | < 0.0005 % |
| Nitrite (NO ₂) | Passes Test | Pass |
| Phosphate (PO ₄) | ≤ 0.0005 % | < 0.0005 % |
| Sulfate (SO ₄) | ≤ 0.002 % | < 0.002 % |
| Heavy metals | ≤ 0.0005 % | < 0.0005 % |
| Iron (Fe) | ≤ 0.0002 % | < 0.0002 % |
| Solubility (5 %, H ₂ O) | Clear Colorless Solution | Pass |
| pH (5 %, H ₂ O) | Record | 4.96 |

This product meets or exceeds the quality standards established by Caisson Laboratories, Inc.

This product is intended for laboratory use only.

Prepared by:

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QC Technician

14-Jan-2021

Reviewed by: