

## Certificate of Analysis

Date of Testing: 2025-04-11 19:24:08

Date of Next Testing: 2026-04-11 19:24:08

Product Name: **Ammonium fluoride**

CAS Number: 12125-01-8(Water)

Specifications & Purity: electronic grade, 40% solution

Lot #: D2510068

SKU #: **A111760**

Version: **1**

Analysis #: **400209**

Storage Temperature: Room temperature

| Parameter        | Limit Values  | Result      |
|------------------|---------------|-------------|
| Color Test       | 0-10          | 2.00        |
| Nickel(Ni)       | 0-10 (ppb)    | 0.01 ppb    |
| Chloride (Cl-)   | 0-2 (ppm)     | 0.01 ppm    |
| Manganese(Mn)    | 0-10 (ppb)    | 0.00 ppb    |
| Calcium(Ca)      | 0-10 (ppb)    | 0.00 ppb    |
| Potassium(K)     | 0-10 (ppb)    | 0.00 ppb    |
| Magnesium(Mg)    | 0-10 (ppb)    | 0.01 ppb    |
| Sodium(Na)       | 0-10 (ppb)    | 0.01 ppb    |
| Lithium(Li)      | 0-10 (ppb)    | 0.01 ppb    |
| Lead(Pb)         | 0-10 (ppb)    | 0.00 ppb    |
| Iron(Fe)         | 0-10 (ppb)    | 0.00 ppb    |
| Aluminum(Al)     | 0-10 (ppb)    | 0.00 ppb    |
| Copper(Cu)       | 0-10 (ppb)    | 0.00 ppb    |
| Chromium(Cr)     | 0-10 (ppb)    | 0.00 ppb    |
| Assay            | 39-41 (%)     | 40.32 %     |
| Cobalt(Co)       | 0-10 (ppb)    | 0.00 ppb    |
| Silver(Ag)       | 0-10 (ppb)    | 0.00 ppb    |
| Phospate(PO4)    | 0-0.2 (ppm)   | 0.00 ppm    |
| (NO3)Nitrate     | 0-3 (ppm)     | 0.00 ppm    |
| Molybdenum(Mo)   | 0-10 (ppb)    | 0.01 ppb    |
| Cadmium(Cd)      | 0-10 (ppb)    | 0.00 ppb    |
| Sulfate(SO42-)   | 0-1 (ppm)     | 0.00 ppm    |
| particle(≥0.5um) | 0-100 (ea/ml) | 31.20 ea/ml |
| Zinc(Zn)         | 0-10 (ppb)    | 0.01 ppb    |
| particle(≥1.0um) | 0-25 (ea/ml)  | 9.70 ea/ml  |



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| Parameter            | Limit Values | Result |
|----------------------|--------------|--------|
| PH(1% in Water,25°C) | 6.5-7        | 6.80   |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager