

Certificate of Analysis

Date of Testing: 2022-06-20 15:59:06
 Date of Next Testing: 2026-06-19 15:59:06
 Product Name: **Ammonium formate**
 CAS Number: 540-69-2
 Specifications & Purity: Ultra pure, $\geq 99\%$
 Lot #: F2215171
 SKU #: **A100188**
 Version: **0**
 Analysis #: **467295**
 Storage Temperature: Desiccated

| Parameter | Limit Values | Result |
|--|--------------|--------------|
| Copper(Cu) | 0-50 (ppm) | 0.50 ppm |
| Nickel(Ni) | 0-50 (ppm) | 0.50 ppm |
| Potassium(K) | 0-200 (ppm) | 20.00 ppm |
| Iron(Fe) | 0-50 (ppm) | 0.50 ppm |
| Lead(Pb) | 0-50 (ppm) | 0.50 ppm |
| Sodium(Na) | 0-100 (ppm) | 10.00 ppm |
| Zinc(Zn) | 0-50 (ppm) | 0.50 ppm |
| Cobalt(Co) | 0-50 (ppm) | 0.50 ppm |
| Sulfate(SO ₄ ²⁻) | 0-100 (ppm) | 10.00 ppm |
| Water by Karl Fischer | 0-3 (%) | 1.20 % |
| Melting point | 119-121 (°C) | 120.17000 °C |
| Calcium(Ca) | 0-50 (ppm) | 0.50 ppm |
| Chloride (Cl ⁻) | 0-50 (ppm) | 0.50 ppm |
| Cadmium(Cd) | 0-50 (ppm) | 0.50 ppm |
| Purity(Neutralization titration)(calcd.on anh.substance) | 99-100 (%) | 100.00 % |
| PH(25 °C, 50 mg/mL in Water) | 6-7 | 6.70 |



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager