

Certificate of Analysis

Date of Testing: 2022-01-14 15:45:47
 Date of Next Testing: 2026-01-13 15:45:47
 Product Name: **Ammonium formate**
 CAS Number: 540-69-2
 Specifications & Purity: ultra pure, ≥99.0%
 Lot #: A2211016
 SKU #: **A100188**
Analysis: **068143**
 Storage Temperature: Desiccated

Parameter	Limit Values	Result
Copper(Cu)	0-50 (ppm)	36.30 ppm
Nickel(Ni)	0-50 (ppm)	44.99 ppm
Potassium(K)	0-200 (ppm)	164.30 ppm
Iron(Fe)	0-50 (ppm)	25.58 ppm
Lead(Pb)	0-50 (ppm)	41.15 ppm
Sodium(Na)	0-100 (ppm)	84.26 ppm
Zinc(Zn)	0-50 (ppm)	48.52 ppm
Cobalt(Co)	0-50 (ppm)	20.47 ppm
Sulfate(SO ₄ ²⁻)	0-100 (ppm)	50.36 ppm
Water by Karl Fischer	0-3 (%)	2.10 %
Melting point	119-121 (°C)	120.21000 °C
Calcium(Ca)	0-50 (ppm)	44.35 ppm
Chloride (Cl ⁻)	0-50 (ppm)	22.77 ppm
Cadmium(Cd)	0-50 (ppm)	30.54 ppm
Purity(Neutralization titration)(calcd.on anh.substance)	99-100 (%)	99.99 %
PH(25 °C, 50 mg/mL in Water)	6-7	6.50



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