

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-05-22 09:54:37

Date of Next Testing: 2030-05-21 09:54:37

Product Name: **Ammonium formate**

CAS Number: 540-69-2

Specifications & Purity: UltraPureChrom™, suitable for mass spectrometry (MS), ≥99%

Lot #: E2613187

SKU #: **A100187**

Version: **1**

Analysis #: **698689**

Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Cobalt(Co)	0-1 (ppm)	0.00000 ppm
Aluminum(Al)	0-1 (ppm)	0.00000 ppm
UV Absorbance 260nm	0-0.01	0.00630
Copper(Cu)	0-1 (ppm)	0.00000 ppm
Total Metallic Impurities	0-20 (ppm)	0.00000 ppm
Chloride (Cl-)	0-50 (ppm)	2.62000 ppm
Calcium(Ca)	0-5 (µg/mg)	1.50000 µg/mg
Sodium(Na)	0-5 (ppm)	0.00000 ppm
Nickel(Ni)	0-1 (ppm)	0.00000 ppm
Molybdenum(Mo)	0-1 (ppm)	0.60000 ppm
Sulfate(SO42-)	0-50 (ppm)	49.00000 ppm
UV Absorbance 280nm	0-0.01	0.00440
Water by Karl Fischer	0-2 (%)	1.54330 %
Iron(Fe)	0-1 (ppm)	0.00000 ppm
pH	5.5-7.5	6.52000
Potassium(K)	0-5 (ppm)	0.00000 ppm
Melting point	119-121 (°C)	120.00000 °C
Manganese(Mn)	0-1 (ppm)	0.00000 ppm
Strontium(Sr)	0-1 (ppm)	0.60000 ppm
Lead(Pb)	0-1 (ppm)	0.00000 ppm
Zinc(Zn)	0-1 (ppm)	0.60000 ppm
Cadmium(Cd)	0-1 (ppm)	0.00000 ppm
(As)Arsenic	0-0.1 (ppm)	0.05000 ppm
Lithium(Li)	0-1 (ppm)	0.00000 ppm
Chromium(Cr)	0-1 (ppm)	0.00000 ppm

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Parameter	Limit Values	Result
Magnesium(Mg)	0-1 (ppm)	0.00000 ppm
Bismuth(Bi)	0-1 (ppm)	0.00000 ppm
Barium(Ba)	0-1 (ppm)	0.22000 ppm
Ignition Residue (as sulfate)	0-0.1 (%)	0.00620 %
Purity(Based on Trace Metals Impurities of ICP)	99.999-100 (%)	100.00000 %
Assay(Titration by HCLO4 0.1M)(calc. based on dry substance)	99-101 (%)	99.95000 %
Appearance (A100187)	White crystal powder	White crystal powder
Insoluble matter	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager