

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-02 15:43:57

Date of Next Testing: 2026-06-02 15:43:57

Product Name: **Ammonium formate**

CAS Number: 540-69-2

Specifications & Purity: UltraPureChrom™, for LC-MS, ≥99%

Lot #: E2528214

SKU #: **A100186**

Version: **3**

Analysis #: **514380**

Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Bismuth(Bi)	0-1 (ppm)	0.00000 ppm
Sulfate(SO42-)	0-50 (ppm)	0.00000 ppm
Chromium(Cr)	0-1 (ppm)	0.00000 ppm
Lithium(Li)	0-1 (ppm)	0.00000 ppm
(As)Arsenic	0-0.1 (ppm)	0.00000 ppm
Ignition Residue (as sulfate)	0-0.1 (%)	0.00000 %
Cadmium(Cd)	0-1 (ppm)	0.00000 ppm
Strontium(Sr)	0-1 (ppm)	0.00000 ppm
Copper(Cu)	0-1 (ppm)	0.00000 ppm
Manganese(Mn)	0-1 (ppm)	0.00000 ppm
Iron(Fe)	0-1 (ppm)	0.00000 ppm
Aluminum(Al)	0-1 (ppm)	0.00000 ppm
Cobalt(Co)	0-1 (ppm)	0.00000 ppm
Purity(Based on Trace Metals Impurities of ICP)	99.999-100 (%)	100.00000 %
Magnesium(Mg)	0-1 (ppm)	0.00000 ppm
Molybdenum(Mo)	0-1 (ppm)	0.00000 ppm
Nickel(Ni)	0-1 (ppm)	0.00000 ppm
Sodium(Na)	0-5 (ppm)	0.00000 ppm
Zinc(Zn)	0-1 (ppm)	0.00000 ppm
Lead(Pb)	0-1 (ppm)	0.00000 ppm
Total Metallic Impuritie	0-20 (ppm)	0.00000 ppm
Chloride (Cl-)	0-50 (ppm)	0.00000 ppm
Barium(Ba)	0-1 (ppm)	0.00000 ppm
Potassium(K)	0-5 (ppm)	0.00000 ppm
pH	5.5-7.5	6.54300

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Parameter	Limit Values	Result
Water by Karl Fischer	0-2 (%)	1.37080 %
Assay(TITRATION (NT) HCLO4 0.1M)(calc. based on dry substance)	99-101 (%)	99.69000 %
Calcium(Ca)	0-5 (ppm)	0.00000 ppm
UV Absorbance 260nm(at 1M in H2O)	0-0.01	0.00800
UV Absorbance 280nm(at 1M in H2O)	0-0.01	0.00570
Melting point	119-121 (°C)	119.02000 °C
Appearance (A100186)	White crystals	White crystals
Insoluble matter	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager