

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-12 18:15:02
 Date of Next Testing: 2026-09-12 18:15:02
 Product Name: **Ammonium formate**
 CAS Number: 540-69-2
 Specifications & Purity: UltraPureChrom™, for LC-MS, ≥99%
 Lot #: I2504880
 SKU #: **A100186**
 Version: **3**
 Analysis #: **548633**
 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	6.61900

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Parameter

Water by Karl Fischer

Assay(TITRATION (NT) HCLO4 0.1M)(calc. based on dry substance)

Calcium(Ca)

UV Absorbance 280nm(at 1M in H2O)

Melting point

UV Absorbance 260nm(at 1M in H2O)

Appearance (A100186)

Insoluble matter

Infrared spectrum

Limit Values

0-2 (%)

99-101 (%)

0-5 (ppm)

0-0.01

119-121 (°C)

0-0.01

White crystals

pass

Conforms to Structure

Result

0.60610 %

99.20000 %

0.00000 ppm

0.00800

119.05000 °C

0.01000

White crystals

Pass

Conforms to Structure



John Su
QA & QC Manager