

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2026-08-31 11:12:43  
Date of Next Testing: 2030-08-30 11:12:43  
Product Name: **Ammonium formate**  
CAS Number: 540-69-2  
Specifications & Purity: UltraPureChrom™, suitable for mass spectrometry (MS), ≥99%  
Lot #: H2618062  
SKU #: **A100187**  
Version: **1**  
Analysis #: **737975**  
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       | 0.00720       |
| Copper(Cu)                              | 0-1 (ppm)    | 0.00000 ppm   |
| Total Metallic Impurities               | 0-20 (ppm)   | 0.00000 ppm   |
| Chloride (Cl <sup>-</sup> )             | 0-50 (ppm)   | 25.00000 ppm  |
| Calcium(Ca)                             | 0-5 (μg/mg)  | 0.00600 μg/mg |
| Sodium(Na)                              | 0-5 (ppm)    | 0.00000 ppm   |
| Nickel(Ni)                              | 0-1 (ppm)    | 0.00000 ppm   |
| Molybdenum(Mo)                          | 0-1 (ppm)    | 0.05000 ppm   |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> ) | 0-50 (ppm)   | 0.00000 ppm   |
| UV Absorbance 280nm                     | 0-0.01       | 0.00390       |
| Water by Karl Fischer                   | 0-2 (%)      | 1.66990 %     |
| Iron(Fe)                                | 0-1 (ppm)    | 0.00000 ppm   |
| pH                                      | 5.5-7.5      | 6.62600       |
| 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)    | 0.67000 ppm   |
| Lead(Pb)                                | 0-1 (ppm)    | 0.00000 ppm   |
| Zinc(Zn)                                | 0-1 (ppm)    | 0.00000 ppm   |
| Cadmium(Cd)                             | 0-1 (ppm)    | 0.00000 ppm   |
| (As)Arsenic                             | 0-0.1 (ppm)  | 0.00000 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)             | 0.00000 ppm           |
| Ignition Residue (as sulfate)                                            | 0-0.1 (%)             | 0.00000 %             |
| Purity(Based on Trace Metals Impurities of ICP)                          | 99.999-100 (%)        | 100.00000 %           |
| Assay(Titration by HClO <sub>4</sub> 0.1M)(calc. based on dry substance) | 99-101 (%)            | 100.25000 %           |
| Appearance (A100187)                                                     | White crystal powder  | White crystal powder  |
| Insoluble matter                                                         | pass                  | Pass                  |
| Infrared spectrum                                                        | Conforms to Structure | Conforms to Structure |

