

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-09-20 13:46:11  
 Date of Next Testing: 2029-09-19 13:46:11  
 Product Name: **Cobalt nitrate hexahydrate**  
 CAS Number: 10026-22-9  
 Specifications & Purity: AR, ≥99%  
 Lot #: I2512067  
 SKU #: **C112729**  
 Version: **1**  
 Analysis #: **528774**  
 Storage Temperature: Room temperature

| Parameter                                       | Limit Values                       | Result                             |
|-------------------------------------------------|------------------------------------|------------------------------------|
| Nickel(Ni)                                      | 0-0.05 (%)                         | 0.02000 %                          |
| Substances not precipitated by ammonium sulfide | 0-0.1 (%)                          | 0.04800 %                          |
| Iron(Fe)                                        | 0-5 (ppm)                          | 0.50000 ppm                        |
| Manganese(Mn)                                   | 0-0.005 (%)                        | 0.00190 %                          |
| Insoluble matter in H2O                         | 0-0.005 (%)                        | 0.00220 %                          |
| Ammonia (NH4)                                   | 0-0.2 (%)                          | 0.03100 %                          |
| Zinc(Zn) Manganese                              | 0-0.05 (%)                         | 0.02500 %                          |
| Sulfate(SO42-)                                  | 0-0.005 (%)                        | 0.00300 %                          |
| Copper(Cu) Manganese                            | 0-0.002 (%)                        | 0.00100 %                          |
| Assay                                           | 99-100 (%)                         | 99.99370 %                         |
| Appearance (C112729)                            | Red to Brown                       | Red to Brown                       |
|                                                 | Granules,Crystals,Powder or chunks | Granules,Crystals,Powder or chunks |
| X-Ray Diffraction                               | Conforms to Structure              | Conforms to Structure              |



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager