

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-09-23 10:15:21  
 Date of Next Testing: 2028-09-22 10:15:21  
 Product Name: **Cobalt(II) acetate tetrahydrate**  
 CAS Number: 6147-53-1  
 Specifications & Purity:  $\geq 99.5\%$   
 Lot #: I2411324  
 SKU #: **C110805**  
 Version: **0**  
 Analysis #: **414126**  
 Storage Temperature: Room temperature

| Parameter                            | Limit Values                               | Result                                     |
|--------------------------------------|--------------------------------------------|--------------------------------------------|
| Iron(Fe)                             | 0-0.001 (%)                                | 0.00010 %                                  |
| Assay                                | 99.5-100 (%)                               | 99.99760 %                                 |
| Phospate(PO <sub>4</sub> )           | 0-0.0025 (%)                               | 0.00000 %                                  |
| Co(Compleximetric EDTA)              | 22.4-24.8 (%)                              | 23.38000 %                                 |
| Calcium(Ca)                          | 0-0.01 (%)                                 | 0.00130 %                                  |
| Heavy metal (as Pb)                  | 0-0.0005 (%)                               | 0.00000 %                                  |
| Ignition Residue (as sulfate)        | 0-0.035 (%)                                | 0.00000 %                                  |
| Insoluble matter in H <sub>2</sub> O | 0-0.01 (%)                                 | 0.00000 %                                  |
| Chloride (Cl <sup>-</sup> )          | 0-0.0025 (%)                               | 0.00000 %                                  |
| Appearance (C110805)                 | Pink to Red Powder, Granules and/or Chunks | Pink to Red Powder, Granules and/or Chunks |
| ICP: Confirms Cobalt Component       | Confirmed                                  | Confirmed                                  |
| 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