

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-17 13:57:31  
 Date of Next Testing: 2027-05-16 13:57:31  
 Product Name: **Copric chloride dihydrate**  
 CAS Number: 10125-13-0  
 Specifications & Purity: 99.99% metals basis  
 Lot #: E2315245  
 SKU #: **C111683**  
 Analysis: **205855**

| Parameter   | Limit Values                                   | Result   |
|---|--|--|
| Nickel(Ni)  | 0-0.01 (%)                                     | 0.00 %   |
| Insoluble matter(c = 10 % in Dilute HCl)                            | 0-0.01 (%)                                     | 0.00 %   |
| Iron(Fe)  | 0-0.005 (%)                                    | 0.00 %   |
| Potassium(K)  | 0-0.01 (%)                                     | 0.00 %   |
| Purity(Titration by Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ) | 99-100 (%)                                     | 99.50 %  |
| (NO <sub>3</sub> )Nitrate   | 0-0.015 (%)                                    | 0.01 %   |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )                             | 0-0.005 (%)                                    | 0.00 %   |
| Calcium(Ca)   | 0-0.005 (%)                                    | 0.00 %   |
| Sodium(Na)  | 0-0.02 (%)                                     | 0.01 %   |
| Purity(Based On Trace Metals Analysis)                              | 99.99-100 (%)                                  | 99.99 %  |
| Total Metallic Impurities   | 0-100 (ppm)                                    | 99.00 ppm                                      |
| Appearance (c111683)  | Green to Green-Blue Powder, Crystals or Chunks | Green to Green-Blue Powder, Crystals or Chunks |
| ICP: Confirms Copper Component                                      | Conforms                                       | Conforms                                       |
| X-Ray Diffraction   | Conforms to Structure                          | Conforms to Structure                          |



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager