

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-18 09:23:59
 Date of Next Testing: 2026-08-17 09:23:59
 Product Name: **Copric chloride dihydrate**
 CAS Number: 10125-13-0
 Specifications & Purity: 99.99% metals basis
 Lot #: H2212055
 SKU #: **C111683**
Analysis: 117602

| 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 ₂ S ₂ O ₃) | 99-100 (%) | 99.82 % |
| (NO ₃)Nitrate | 0-0.015 (%) | 0.01 % |
| Sulfate(SO ₄ ²⁻) | 0-0.005 (%) | 0.00 % |
| Calcium(Ca) | 0-0.005 (%) | 0.00 % |
| Sodium(Na) | 0-0.02 (%) | 0.02 % |
| Total Metallic Impurities | 0-100 (ppm) | 99.00 ppm |
| Purity(Based On Trace Metals Analysis) | 99.99-100 (%) | 99.99 % |
| 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".

John Su
QA & QC Manager