

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-13 15:00:38
Date of Next Testing: 2027-09-13 15:00:38
Product Name: **Copper**
CAS Number: 7440-50-8(power)
Specifications & Purity: nanopowder, 25 nm particle size (TEM), Wet powder
Lot #: I2413006
SKU #: **C434854**
Version: **3**
Analysis #: **394929**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|--|---|---|
| Purity(Based On Trace Metals Analysis) | 99.5-100 (%) | 99.95% |
| Total Metallic Impuritie | 0-5000 (ppm) | 472.00 ppm |
| Particle size | 20-30 (nm) | 20.00 nm |
| Appearance(C434854) | Brown to Very Dark Brown and Black Wet Powder | Brown to Very Dark Brown and Black Wet Powder |
| ICP: Confirms Copper Component | Conforms | Conforms |
| X-Ray Diffraction | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager