

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-16 11:47:14  
Date of Next Testing: 2027-10-16 11:47:14  
Product Name: **Copper**  
CAS Number: 7440-50-8(power)  
Specifications & Purity: nanopowder,25 nm particle size (TEM),Wet powder  
Lot #: I2424040  
SKU #: **C434854**  
Version: **3**  
Analysis #: **355081**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.5-100 (%)	99.99%
Total Metallic Impuritie	0-5000 (ppm)	57.00 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