

## Certificate of Analysis

Date of Testing: 2022-12-01 17:36:24  
Date of Next Testing: 2026-11-30 17:36:24  
Product Name: **Copper**  
CAS Number: 7440-50-8(power)  
Specifications & Purity: powder,99.9% metals basis , D50(0.2 ~ 1µm)  
Lot #: K2229425  
SKU #: **C103836**  
**Analysis:** **149665**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Total Metallic Impuritie	0-1000 (ppm)	113.00 ppm
Particle size	0.2-1 (µm)	0.77 µm
Purity(Chelometric Titration)	98-102 (%)	100.36 %
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.99 %
Appearance (C103836)	Copper-colored powder	Copper-colored powder
ICP: Confirms Copper Component	Conforms	Conforms
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager