

## Certificate of Analysis

Date of Testing: 2023-03-18 11:01:53  
Date of Next Testing: 2027-03-17 11:01:53  
Product Name: **Copper**  
CAS Number: 7440-50-8(power)  
Specifications & Purity: 99.5% metals basis,100-500nm  
Lot #: C2307198  
SKU #: **C491874**  
**Analysis:** **187761**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Trace analysis of ICP	≤5000 (ppm)	402.00 ppm
Purity(metals basis)	99.5-100 (%)	99.95980 %
Particle size	100-500 (nm)	229.30 nm
Purity(Complexometric titration)	97.5-102.5 (%)	97.70 %
Appearance(C491874)	Copper-colored to black powder	Copper-colored to black powder
ICP: Confirms Copper Component	Confirmed	Conforms
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager