

## Certificate of Analysis

Date of Testing: 2023-10-19 11:09:05  
Date of Next Testing: 2027-10-18 11:09:05  
Product Name: **Copper**  
CAS Number: 7440-50-8(power)  
Specifications & Purity: 99.9% metals basis,1 $\mu$ m  
Lot #: J2312040  
SKU #: **C131630**  
Version: **1**  
Analysis #: **141984**

Parameter	Limit Values	Result
Total Metallic Impuritie	0-1000 (ppm)	101.00 ppm
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.99%
Particle size	0.9-1.1 ( $\mu$ m)	1.09 $\mu$ m
Appearance (C131630)	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