

## Certificate of Analysis

Date of Testing: 2024-04-22 14:21:43  
Date of Next Testing: 2028-04-21 14:21:43  
Product Name: **Cupric oxide**  
CAS Number: 1317-38-0  
Specifications & Purity: 99.5% metals basis,50-100nm  
Lot #: D2408049  
SKU #: **C299304**  
**Analysis:** **277434**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Average particle size	50-100 (nm)	60.87 nm
Purity(Based On Trace Metals Analysis)	99.5-100 (%)	99.85 %
Total Metallic Impuritie	0-5000 (ppm)	1535.00 ppm
Complexometric EDTA (Cu)	77-82.6 (%)	77.01 %
Appearance (C299304)	black powder	black powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager