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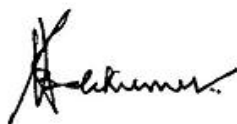
Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	47068
Product	Copper powder (~1 micron)
Lot Number	003344-0809-072623
CAS Number	7440-50-8
Molecular Formula	Cu
Molecular Weight	63.55

Appearance	Sienna nanopowder
Density	3.73 g/cm ³ (Tapped) 8.9 g/cm ³ (True)
Elemental Analysis (Found)	Carbon (C) : 3500 ppm Oxygen (O) : 8100 ppm
Cation	Aluminum (Al) : 90 ppm Nickel (Ni) : 90 ppm Iron (Fe) : 101 ppm Lead (Pb) : < 20 ppm Cadmium (Cd) : < 10 ppm Mercury (Hg) : < 1 ppm
Mesh Size	1.08 µm APS
Purity	99.8% (Trace metals basis)
Storage	Store at RT
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager