

Specification Sheet

Copper Nanoparticles Ink

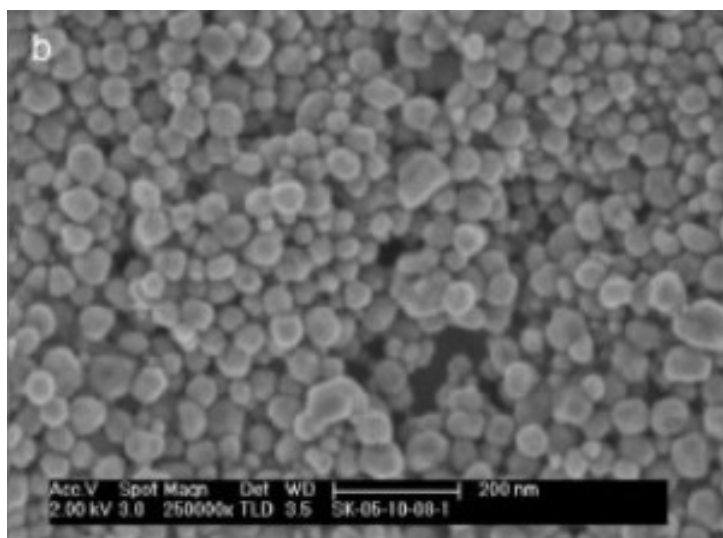
(Cu, Purity: 99.9 %, APS: < 80nm)

Stock No: NS6130-04-476, CAS: 7440-50-8

Product	:	Copper Nanoparticles Ink
Stock No	:	NS6130-04-476
CAS	:	7440-50-8
Purity	:	99.9 %
APS	:	80-100nm
Molecular Formula	:	Cu
Molecular Weight	:	63.55g/mol
Form	:	Liquid
Color	:	Brown
Viscosity	:	10-20 cP
Surface Tension	:	30-32 dynes/cm
Metal Loading	:	10-30 %
Resistivity	:	1.7x10 ⁻⁸ Ωm
Typical Cured Thickness	:	70μm
Concentration	:	< 5 % (Available as per Customer requirement)
Dispersing Agent	:	Organic Solvent (DMF), IPA Ethanol, Water (ddH ₂ O)
Main Inspect Verifier	:	Manager QC

Note: Product Specification are subject to amendment and may change over time

Characterization of Copper Nanoparticles Ink



SEM - Copper Nanoparticles



NANOSHEL
Creating Miracles in Black