

# Copper NANOPARTICLES

# Cu

Purity  
**99.9%**

Stock no.  
**NS6130-01-131**  
CAS : **7440-50-8**

Copper Nanoparticles has recently received much attention due to their high electrical and melting points, low electrochemical migration behaviour, high bioavailability and relatively low cost of production. Copper Nanoparticles has been used as an essential component in the future nano-devices, a wide range of industrial applications and used as a replacement for more expensive metals. Copper Nanoparticles are known for their high electrical conductivity. It is mainly used in electronics industry. It can be used in conducting coatings, inks and pastes, raw material for electronic parts, catalysis for reactions such as methanol production, microelectronic devices, additive for lubricants, for wear resistant coatings, sintering additives etc.

## Technical Specification

Molecular Weight	Density	Formula	APS
63.546g/mol	8.96g/cm <sup>3</sup>	Cu	~20nm



**APS: ~20nm**



ISO 9001:2015  
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