

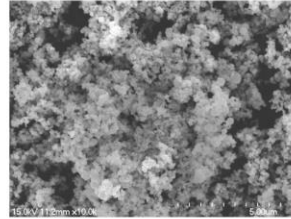
## Copper nanoparticle

### Product introduction

Product description: Nano-copper powder;  
Nanometer copper powder; Nano copper;  
Copper nano powder; Nano Cu powder;  
Cu nanoparticle; Cu nanopowder.

CAS no.: 7440-50-8

Product specification: 10~30nm; 60~100nm



### Product explanation

Molecular formula: Cu

Molecular weight: 63.55

Appearance: Black brown or Black powder

Product use: Used for the production of microelectronic device, used in the manufacture of multilayer ceramic capacitor of the terminal. Can also be used to carbon dioxide and hydrogen synthesis methanol catalyst in the reaction process. Also can be used as oil lubricant and medicine industry, etc.

Packing, storage and shipping: Aluminum foil packaging, 500g, 1kg, 5kg. Seal packaging.  
Store in a cool & dry place. Do not contact with oxidizing agent.

Executive standard: Enterprise standard



### Quality standard

Model	Purity (%)	Diameter size (nm)	Average particle size (nm)	Shape	Specific surface area (m <sup>2</sup> /g)	Density (g/cm <sup>3</sup> )
N-Cu-A	99.9+	10~30	20(XRD)	Spherical	10~35	0.1~0.3
N-Cu-B	99.9+	60~100	80(TEM)	Spherical	5~20	0.2~0.5

## Ultrafine copper powder

### Product introduction

Product description: Copper powder; Ultrafine copper powder;  
Superfine copper powder;  
Nano-copper powder.

CAS no.: 7440-50-8

Product specification: 0.3 $\mu$ m; 1.5 $\mu$ m



### Product explanation

Molecular formula: Cu

Molecular weight: 63.55

Appearance: Purple-brown or brown powder

Product use: Used for microelectronic devices and multilayer ceramic capacitor terminal manufacturing. Also be used as catalyst for carbon dioxide and hydrogen forming methanol in the reaction process and used as lubricants, pharmaceutical, electroplating, and paint industries.

Packing, storage and shipping: Aluminum foil packaging, each bag of 2kg, 10kg, or 20kg.

Seal packaging. Store in a cool & dry place. Keep it away from oxidant.

Executive standard: Enterprise standard



### Quality standard

Model	Purity (%)	Particle size range ( $\mu$ m)	Average particle size ( $\mu$ m)	Shape	Specific surface area ( $m^2/g$ )	Density ( $g/cm^3$ )
U-Cu-A	99.5+	0.06~0.6	0.3	spherical	2.0~5.0	0.3~1.0
U-Cu-B	99.5+	1.0~3.0	1.5	spherical	0.5~4.0	0.5~2.0