



Technical Data Sheet

ACS Material Copper Nanoparticles

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1. Preparation Method

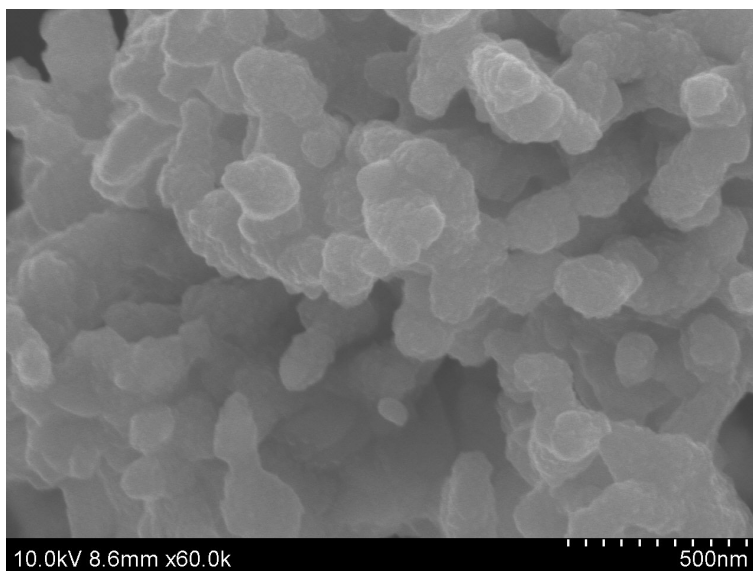
Ultrasonic Electrolysis

2. Characterizations

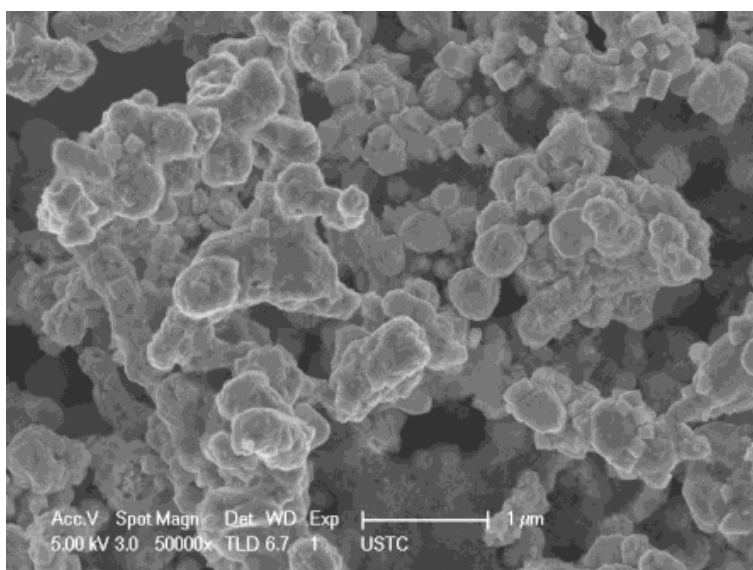
Appearance:	Red Powder
Morphology:	Spherical
BET surface area (m²/g):	~ 6
Average Particle Size (nm):	150-200
Purity (%):	≥ 99.5
Bulk density (g/cm³):	0.8
Theoretic density (g/cm³):	8.96



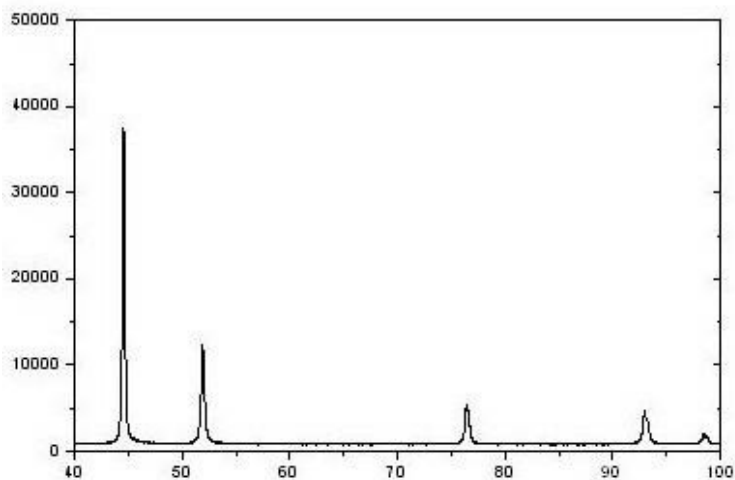
Bulk Photos of ACS Material Copper Nanoparticles



Typical SEM Image of ACS Material Copper Nanoparticles (1)



Typical SEM Image of ACS Material Copper Nanoparticles (2)



Typical XRD Analysis of ACS Material Copper Nanoparticles

3. Application Fields

- 1) Catalysts
- 2) Conductive paste
- 3) Sintering additives
- 4) Medicine and anti-bacteria
- 5) Lubricant additives

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