

Technical Data Sheet

Copper powder

Revision Date: 8/15/2025

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY / UNDERTAKING

Product name	Copper powder
Product code	NM-0016-HP
Supplier	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D-74076 Heilbronn Germany
Telephone	+49 (0)7131 - 898390
Fax	+49 (0)7131 - 89839109
Emergency telephone	+49 (0)151-41255671

2 COMPOSITION / INFORMATION ON INGREDIENTS

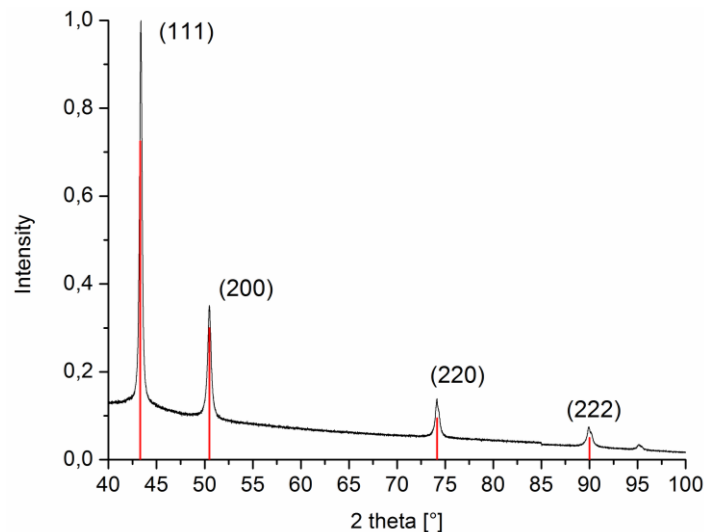
Ingredient name	Copper (partially passivated 2-5wt% O)
Empirical Formula	Cu
CAS No.	7440-50-8
Molecular weight	63.55 g/mol
Purity	99.5% (metal basis)
Average Particle Size	25 nm (TEM)
Specific Surface Area	30-50 m ² /g (BET)
Morphology	spherical
Colour	Black, brown
Bulk Density	0.15-0.35 g/cm ³
True Density	8.94 g/cm ³
Melting point	1083°C
Production method	Laser evaporation process.

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3 PXRD



4 OTHER INFORMATION

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