

Technical Data Sheet

Copper powder

Revision Date: 8/18/2025

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

Product name	Copper Powder
Product code	NM-0044-UP
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)176 - 84850874

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Copper
Empirical formula	Cu
CAS No.	7440-50-8
Molecular weight	63.546 g/mol
Purity	99.9% (trace metals basis)
Average particle size	60 – 80 nm
Specific surface area	6-8 m ² /g
Color	dark reddish-brown
Morphology	spherical
Bulk density	0.21 g/cm ³
True density	8.9 g/cm ³

3 SPECIFICATIONS

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Copper powder 99.9%; Impurities -ppm								
Al	S	Ni	Sn	Fe	Ca	Zn	Pb	O
< 100	< 50	< 50	< 100	< 100	< 50	< 100	< 50	1.8~2.0wt%

4 OTHER INFORMATION

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