

Technical Data Sheet

Copper(II)Oxide Powder

Revision Date: 02/02/2009

Date Issued: 03/02/2007

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

| | |
|----------------------------|---|
| Product name | Copper(II)oxide powder, 99.9%, 40-80 nm |
| Product code | NO-0031-HP |
| Supplier | IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D-74076 Heilbronn Germany |
| Telephone | +49 (0)7131 - 898390 |
| Fax | +49 (0)7131 - 89839109 |
| Emergency telephone | +49 (0)179 - 5322578 |

2 COMPOSITION / INFORMATION ON INGREDIENTS

| | |
|------------------------------|-------------------------|
| Ingredient name | Copper(II)oxide |
| CAS No. | 1317-38-0 |
| Empirical Formula | CuO |
| Molecular weight | 79.55 amu |
| Purity | 99.9% |
| Average Particle Size | 40-80 nm (BET, TEM) |
| Specific Surface Area | 11-17 m ² /g |
| Colour | Black |
| Morphology | See SEM picture |
| Bulk Density | - |
| True Density | - |

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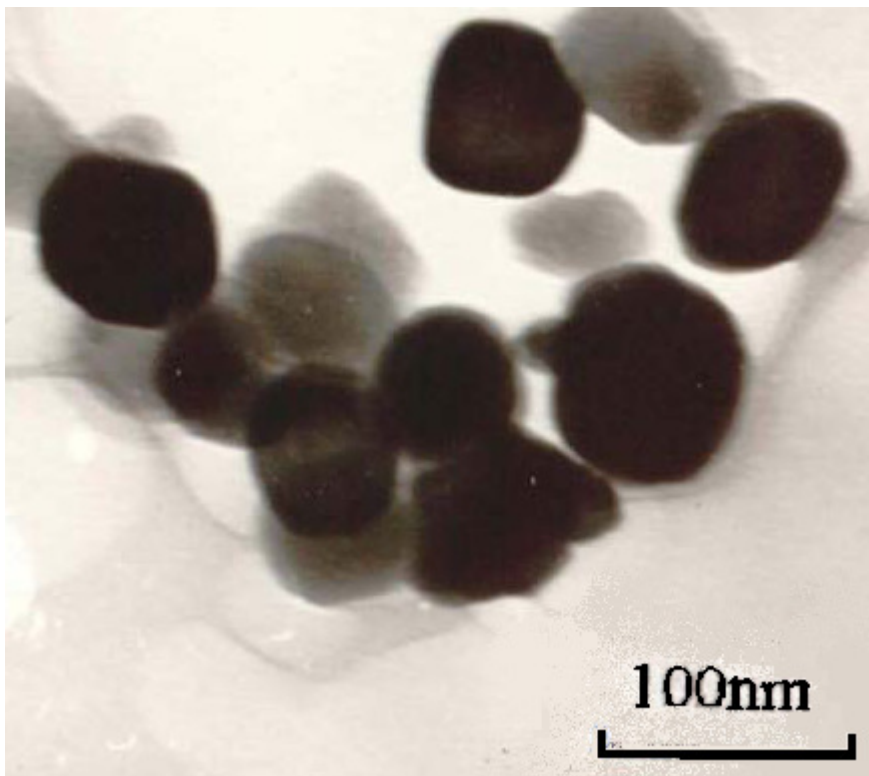
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3 SPECIFICATIONS: ICP-OES

| Element | content |
|---------|----------|
| Al | < 0.01 % |
| Ba | < 0.01 % |
| Cd | < 0.01 % |
| Co | < 0.01 % |
| Cr | < 0.01 % |
| Fe | < 0.01 % |
| Mn | < 0.01 % |
| Pb | < 0.01 % |
| Zn | < 0.02 % |
| Ca | < 0.05 % |

4 SCANNING ELECTRON MICROSCOPY



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6 ORDER INFORMATION

NO-0031-HP can be obtained in the following standard quantities:

| Quantity | Price |
|----------|----------------|
| 25 g | Please enquire |
| 50 g | Please enquire |
| 100 g | Please enquire |
| 500 g | Please enquire |
| 1 kg | Please enquire |
| Bulk | Please enquire |

Please send your order via email to order@nanomaterials.iolitec.de

or fax +49 (0)7131 – 89839109.

7 OTHER INFORMATION

DISCLAIMER

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