

Technical Data Sheet

Zinc Nanopowder, 35 nm

Revision Date: 03/06/2009

Date Issued: 03/02/2007

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

Product name	Zinc nanopowder, 35 nm
Product code	NM-0025-UP
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	Zinc powder, partially passivated [O] ~ 10 wt.%
Empirical Formula	Zn
CAS No.	7440-66-6
Molecular weight	65.39 amu
Purity	99.9+%
Average Particle Size	35 nm (TEM)
Particle size range	0-80 nm (TEM)
Specific Surface Area	30-50 m ² /g
Colour	Black-gray
Morphology	Faceted
Bulk Density	0.20-0.40 g/cm ³
True Density	7.14 g/cm ³

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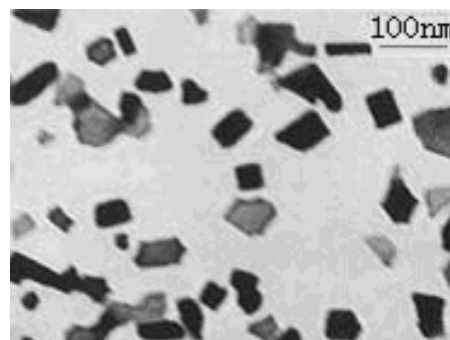
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Melting point 419.5°C
Production method Laser evaporation process

3 SPECIFICATIONS

Components	Content (%)
Cd	0.0096
Cu	<0.0005
Fe	0.00057
Pb	0.0023
Sn	<0.0005

4 TRANSMISSION ELECTRON MICROSCOPY



5 X-RAY DIFFRACTION PATTERN

Not available

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6 ORDER INFORMATION

NM-0025-HP can be obtained in the following standard quantities:

Quantity	Price
5 g	Please enquire
10 g	Please enquire
25 g	Please enquire
50 g	Please enquire
100 g	Please enquire

Please send your order via email to order@nanomaterials.iolitec.de or fax +49 (0)7131 – 89839109.

7 OTHER INFORMATION

Warning! Zinc is a combustible solid. See MSDS for specific details.

DISCLAIMER

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