

# Technical Data Sheet

## Silicon nanopowder, 60 nm

Revision Date: 02/02/2009

Date Issued: 03/02/2007

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

<b>Product name</b>	Silicon nanopowder, 60 nm
<b>Product code</b>	NM-0020-HP
<b>Supplier</b>	IoLiTec Ionic Liquids Technologies GmbH Ferdinand-Porsche-Straße 5/1 D-79211 Denzlingen Germany
<b>Fax</b>	+49 (0)7666 - 9129345
<b>Emergency telephone</b>	+49 (0)179-5322578

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

<b>Ingredient name</b>	Silicon powder
<b>Empirical Formula</b>	Si
<b>CAS No.</b>	7440-21-3
<b>Molecular weight</b>	28.09 amu
<b>Purity</b>	99 %
<b>Average particle size</b>	60 nm
<b>Particle size range</b>	40-80 nm
<b>Specific surface area</b>	80 m <sup>2</sup> /g
<b>Colour</b>	brown yellow
<b>Morphology</b>	spherical
<b>Bulk Density</b>	0.08 g/cm <sup>3</sup>
<b>True Density</b>	2.33 g/cm <sup>3</sup>
<b>Melting point</b>	1410 °C

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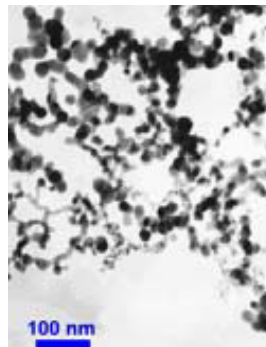
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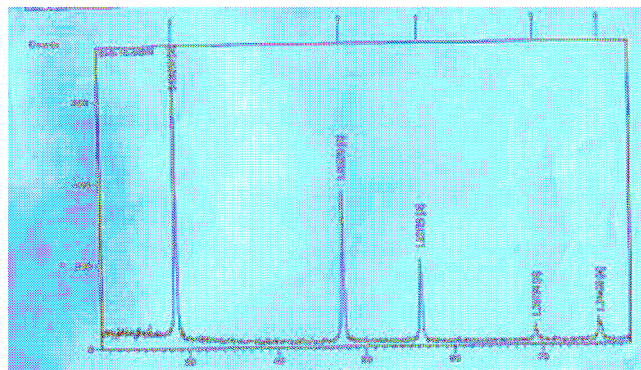
### 3 SPECIFICATIONS

Components	Contents (%)
O	0.8
Cu	0.45

### 4 TRANSMISSION ELECTRON MICROSCOPY



### 5 X-RAY DIFFRACTION PATTERN



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#### 6 ORDER INFORMATION

NM-0020-HP can be obtained in the following standard quantities:

Quantity	Price
50 g	Please enquire
100 g	Please enquire
500 g	Please enquire
1 kg	Please enquire

Please send your order via email to [order@nanomaterials.iolitec.de](mailto:order@nanomaterials.iolitec.de) or fax to +49-(7666)-9129345.

#### 7 OTHER INFORMATION

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