

Technical Data Sheet

Tin nanopowder, 100 nm

Revision Date: 03/06/2009

Date Issued: 03/02/2007

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

Product name	Tin nanopowder, 100 nm
Product code	NM-0026-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	Tin powder
Empirical formula	Sn
CAS No.	7440-31-5
Molecular weight	118.71 amu
Purity	99.8%
Average particle size	100 nm, particles are agglomerated in the 1-10 µm range.
Specific surface area	-
Colour	dark grey
Morphology	Spherical
Bulk Density	-

Technical Data Sheet

Tin nanopowder, 100 nm

Revision Date: 03/06/2009

Date Issued: 03/02/2007

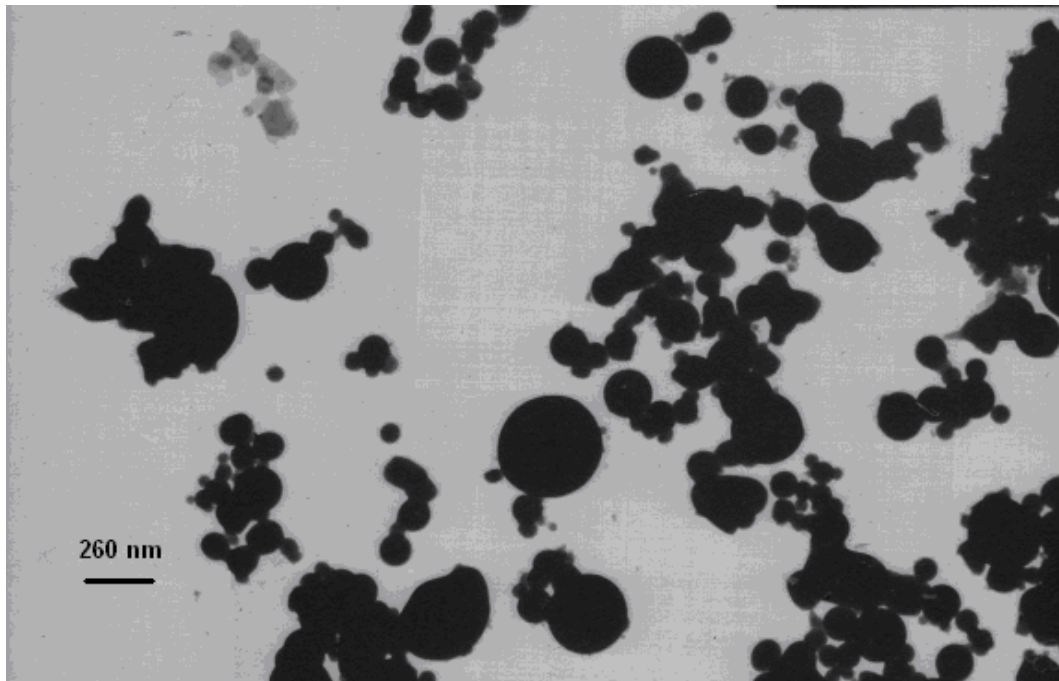
True Density	7.31 g/cm ³
Melting point	231.9 °C
Production method	electro-explosion of wire

3 SPECIFICATIONS

Sn - 99.8+%

Other elements (metal basis) - 0.05 %

4 TRANSMISSION ELECTRON MICROSCOPY



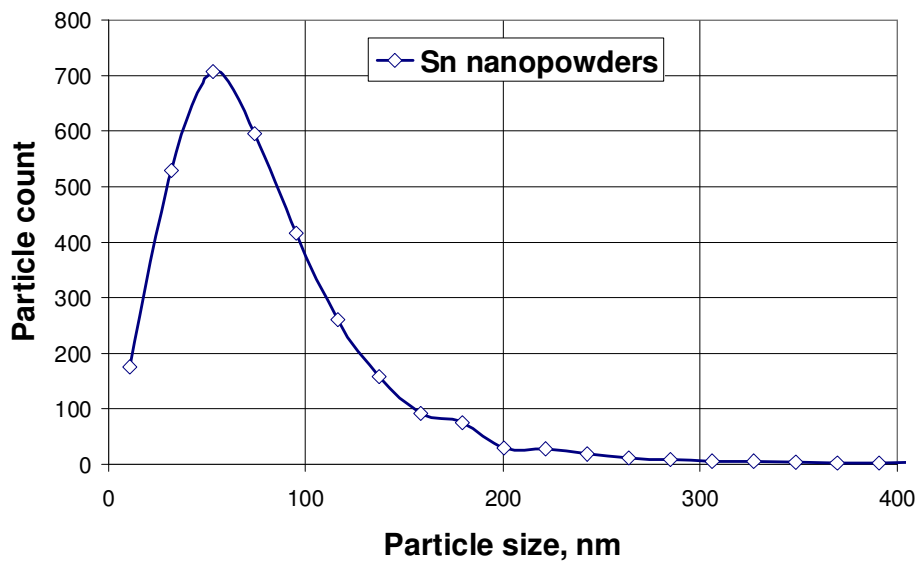
Technical Data Sheet

Tin nanopowder, 100 nm

Revision Date: 03/06/2009

Date Issued: 03/02/2007

5 PARTICLE SIZE DISTRIBUTION



6 ORDER INFORMATION

NM-0026-HP can be obtained in the following standard quantities:

Quantity	Price
10 g	Please enquire
50 g	Please enquire
100 g	Please enquire
500 g	Please enquire
BULK	Please enquire

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

Technical Data Sheet

Tin nanopowder, 100 nm

Revision Date: 03/06/2009

Date Issued: 03/02/2007

7 OTHER INFORMATION

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

DISCLAIMER

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPOPOSED TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. IOLITEC SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. THIS INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR ANY PROCESS. IT IS THE USER'S RESPONSIBILTY TO SATISFY HIMSELF AS TO THE SUITABILITY OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.