

# Technical Data Sheet

## Tin Powder

Date Issued: 2025-03-31

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

<b>Product name</b>	Tin Powder
<b>Product code</b>	NM-0040-UP
<b>Supplier</b>	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D-74076 Heilbronn Germany
<b>Telephone</b>	+49 (0)7131 - 898390
<b>Fax</b>	+49 (0)7131 - 89839109
<b>Emergency telephone</b>	+49 (0)176 - 84850874

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

<b>Ingredient name</b>	Tin powder
<b>Empirical formula</b>	Sn
<b>CAS No.</b>	7440-31-5
<b>Molecular weight</b>	118.71 amu
<b>Purity</b>	>99.7%
<b>Average particle size</b>	< 100 nm
<b>Specific surface area</b>	~7 m <sup>2</sup> /g
<b>Colour</b>	black
<b>Morphology</b>	spherical
<b>Melting point</b>	231.9°C
<b>Production method</b>	Made by electrical explosion method

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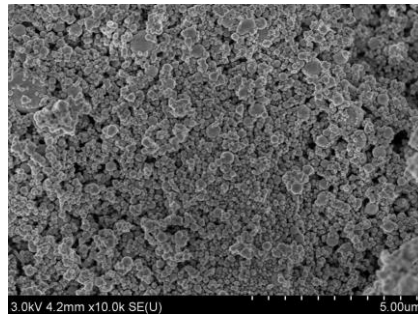
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### 3 SPECIFICATIONS

Tin Nanopowder >99.7%; Impurities -ppm					
Ni	Bi	Zn	Fe	As	Pb
<50	<100	<10	<50	<50	<100

### 4 SCANNING ELECTRON MICROSCOPY



### 5 OTHER INFORMATION

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