

# Technical Data Sheet

## Zinc(II) oxide

Revision Date: 04/17/2024

Date Issued: 04/17/2024

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

<b>Product name</b>	Zinc(II) oxide powder
<b>Product code</b>	NO-0011-HP
<b>CAS</b>	1314-13-2
<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)151-41255671

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

<b>Ingredient name</b>	Zinc(II) oxide
<b>CAS No.</b>	1344-28-1
<b>Empirical Formula</b>	ZnO
<b>Molecular weight</b>	81.39 g/mol
<b>Purity</b>	99.5%
<b>Morphology</b>	spherical
<b>Average Particle Size</b>	20 nm (TEM)
<b>Specific Surface Area</b>	40 m <sup>2</sup> /g (BET)
<b>Relative Density</b>	5.61 g/cm <sup>3</sup>
<b>Bulk Density</b>	0.1-0.2 g/cm <sup>3</sup>

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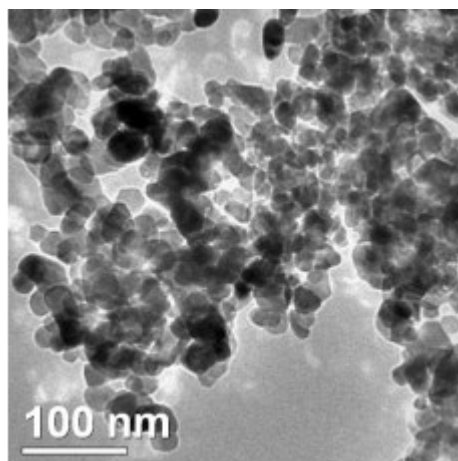
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**Melting point** 1975°C

### 3 CONTENT OF IMPURITIES

Impurity	Content
Cu	≤ 3 ppm
Cd	≤ 8 ppm
Mn	≤ 5 ppm
Pb	≤ 9 ppm
As	≤ 5 ppm

### 4 TEM IMAGE



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### 5 OTHER INFORMATION

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