

# Technical Data Sheet

## Bismuth(III)oxide powder

Revision Date: 04/29/2024

Date Issued: 04/29/2024

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

<b>Product name</b>	Bismuth(III)oxide powder
<b>Product code</b>	NO-0052-UP
<b>CAS</b>	1304-76-3
<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>	Bismuth(III)oxide
<b>CAS No.</b>	1304-76-3
<b>Empirical Formula</b>	Bi <sub>2</sub> O <sub>3</sub>
<b>Molecular weight</b>	465.96 g/mol
<b>Purity</b>	99.9 %
<b>Crystallographic phase</b>	cubic (XRD)
<b>Average Particle Size</b>	200 nm (SEM/BET)
<b>Relative Density</b>	8.9 g/cm <sup>3</sup>
<b>Melting point</b>	817°C
<b>Boiling point</b>	1890°C

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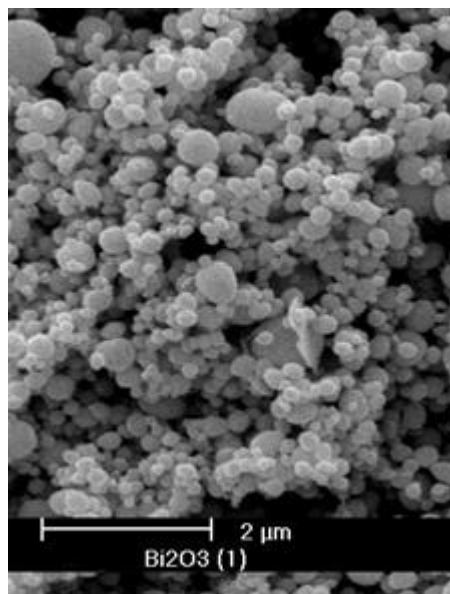
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### 3 SEM IMAGE



### 4 OTHER INFORMATION

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