

Technical Data Sheet

Bismuth(III)oxide powder

Revision Date: 8/13/2019

Date Issued: 8/13/2019

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

Product name	Bismuth(III)oxide powder
Product code	NO-0052
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)176 - 84850874

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Bismuth(III)oxide
CAS No.	1304-76-3
Empirical Formula	Bi ₂ O ₃
Molecular weight	465.96 amu
Purity	99.9%
Average Particle Size	200-300 nm (BET)
Specific Surface Area	2-3 m ² /g (BET)
Colour	Yellow
Morphology	Spherical
True Density	8.9 g/cm ³

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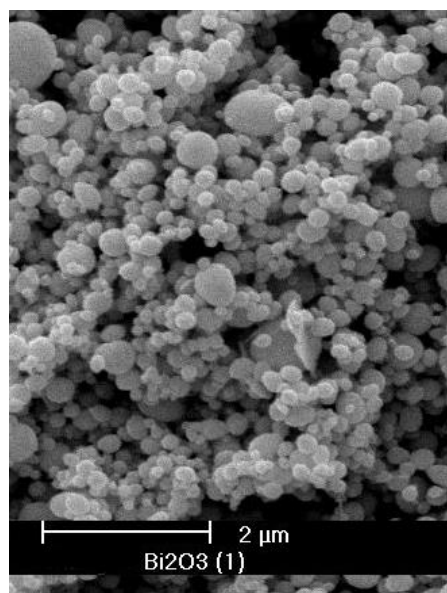
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Melting point 817 °C
Boiling point 1890 °C

3 SPECIFICATIONS

Components	Content (wt.%)
Cd	≤ 0.001
Cu	≤ 0.005
Fe	≤ 0.001
Pb	≤ 0.01
Sb	≤ 0.002
Sn	≤ 0.001
As	≤ 0.001

4 SEM PICTURE



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5 OTHER INFORMATION

DISCLAIMER

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