

Technical Data Sheet

Erbium(III)oxide powder

Date Issued: 2019-08-13

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

Product name	Erbium(III)oxide powder
Product code	NO-0020-UP
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

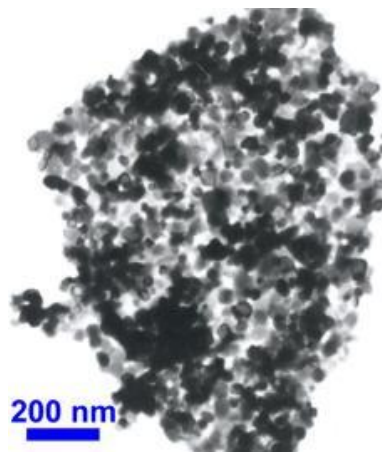
Ingredient name	Erbium(III)oxide
CAS No.	12061-16-4
Empirical Formula	Er ₂ O ₃
Molecular weight	382.52 amu
Purity (REO)	99.9 %
Average Particle Size	40~50 nm
Specific Surface Area	16 m ² /g
Colour	pink
Morphology	~spherical
Bulk Density	0.59 g/cm ³
True Density	8.64 g/cm ³
Melting Point	2400°C

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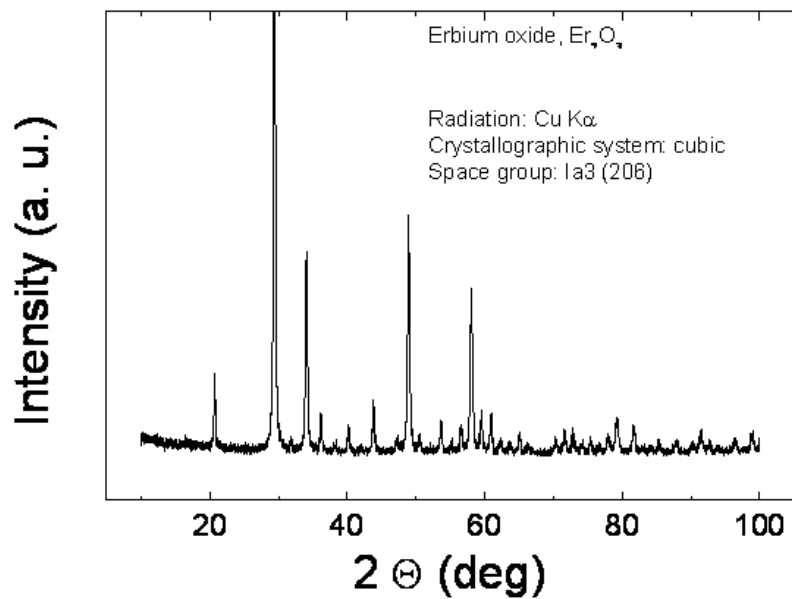
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3 TRANSMISSION ELECTRON MICROSCOPY



4 X-RAY DIFFRACTION PATTERN



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5 ORDER INFORMATION

Quantity	Price
25 g	Please enquire
50 g	Please enquire
100 g	Please enquire
500 g	Please enquire
1 kg	Please enquire

6 OTHER INFORMATION

DISCLAIMER

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