

Technical Data Sheet

Europium(III)oxide powder

Date Issued: 2019-05-02

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

Product name	Europium(III)oxide powder
Product code	NO-0021-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)176 - 84850874

2 COMPOSITION / INFORMATION ON INGREDIENTS

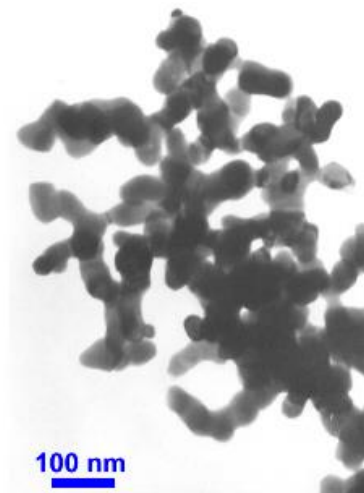
Ingredient name	Europium(III)oxide
CAS No.	1308-96-9
Empirical Formula	Eu ₂ O ₃
Molecular weight	351.92 amu
Purity (REO)	99.99 %
Average Particle Size	45-58 nm
Specific Surface Area	14-18 m ² /g
Colour	white to pale pink
Morphology	spherical
Bulk Density	0.55 g/cm ³
True Density	7.42 g/cm ³
Melting Point	2350°C

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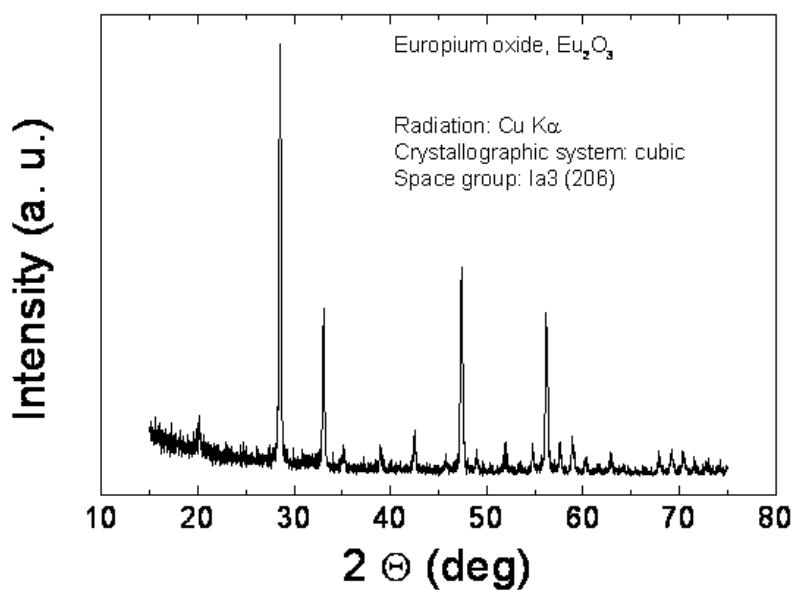
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3 TRANSMISSION ELECTRON MICROSCOPY



4 X-RAY DIFFRACTION PATTERN



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5 ORDER INFORMATION

Eu₂O₃ NO-0021-HP can be obtained in the following standard quantities.

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

Please send your order via email to order@nanomaterials.iolitec.de
or fax +49 (0)7131 – 89839109.

6 OTHER INFORMATION

DISCLAIMER

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