

Technical Data Sheet

Europium(III) oxide

Revision Date: 11/7/2025

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

Product name	Europium(III) oxide
Product code	NO-0021-UP
CAS	1308-96-9
Supplier	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D-74076 Heilbronn Germany
Telephone	+49 (0)7131 - 898390
Fax	+49 (0)7131 - 89839109
Emergency telephone	+49 (0)151-41255671

2 COMPOSITION / INFORMATION ON INGREDIENTS

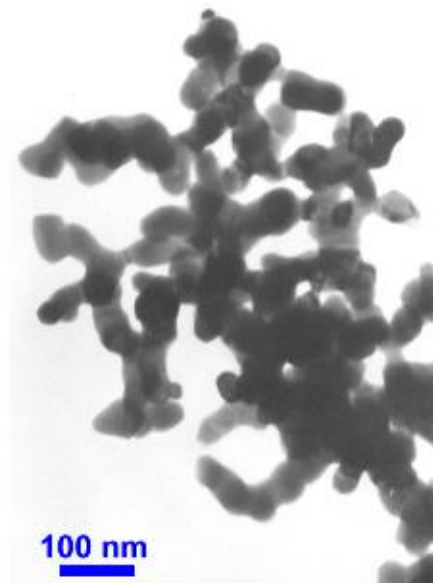
Ingredient name	Europium(III) oxide
CAS No.	1308-96-9
Empirical Formula	Eu_2O_3
Molecular weight	351.92 g/mol
Purity	99.99%
Morphology	spherical
Average Particle Size	45 - 58 nm (from SSA)
Specific Surface Area	14 - 18 m ² /g
Relative Density	7.42 g/cm ³
Bulk Density	0.55 g/cm ³
Boiling point	4118°C
Melting point	2291°C

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3 TEM IMAGE



4 OTHER INFORMATION

DISCLAIMER

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