

Technical Data Sheet

Gadolinium(III)oxide powder

Date Issued: 2019-08-13

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

Product name	Gadolinium(III)oxide powder
Product code	NO-0044-UP
Supplier	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D-74076 Heilbronn Germany
Telephone	+49 (0)7131 - 898390
Emergency telephone	+49 (0)176 - 84850874

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Gadolinium(III)oxide
CAS No.	12064-62-9
Empirical Formula	Gd ₂ O ₃
Molecular weight	362.50 amu
Purity (REO)	99.9%
Average Particle Size	15-30 nm
Specific Surface Area	30-50 m ² /g
Colour	White
Bulk Density	< 0.2 g/cm ³
True Density	7.407 g/cm ³
Melting Point	2350°C
Manufacturing Method	sol-gel

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3 OTHER INFORMATION

DISCLAIMER

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