

Certificate of Analysis

Product Name:	Gadolinium Oxide (Gd ₂ O ₃) Powder
Item Code:	OX64-4N5
Purity:	99.995% (REO)
Lot Number:	OX64-01-SAM-TY-2
Date:	11/12/2023

TREO (%)	> 99
Gd ₂ O ₃ /TREO (%)	> 99.995

Rare Earth Impurities:

La ₂ O ₃ (ppm)	< 5.0
CeO ₂ (ppm)	< 5.0
Pr ₆ O ₁₁ (ppm)	< 5.0
Nd ₂ O ₃ (ppm)	< 5.0
Sm ₂ O ₃ (ppm)	< 5.0
Eu ₂ O ₃ (ppm)	< 5.0
Tb ₄ O ₇ (ppm)	< 5.0
Dy ₂ O ₃ (ppm)	< 5.0
Ho ₂ O ₃ (ppm)	< 5.0
Er ₂ O ₃ (ppm)	< 5.0
Tm ₂ O ₃ (ppm)	< 5.0
Yb ₂ O ₃ (ppm)	< 5.0
Lu ₂ O ₃ (ppm)	< 5.0
Y ₂ O ₃ (ppm)	< 5.0

Non-Rare Earth Impurities:

Fe ₂ O ₃ (ppm)	2.0
CaO (ppm)	3.0
SiO ₂ (ppm)	< 10.0
Cl ⁻ (ppm)	41.0
LOI (%)	0.13

Stanford Advanced Materials

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