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Certificate of Analysis

Catalogue Number	47178
Product	Gadolinium oxide nanopowder (<100 nm)
Lot Number	003344-3510-121422
CAS Number	12064-62-9
Molecular Formula	Gd ₂ O ₃
Molecular Weight	362.50

Appearance	White nanopowder
Mesh Size	APS <100 nm, SSA 10-40 m ² /g
Related Substances	Rare earth oxide : Sm ₂ O ₃ , Dy ₂ O ₃ , Y ₂ O ₃ : < 0.01% Eu ₂ O ₃ : 0.02%, Tb ₄ O ₇ : 0.03% Non-rare earth oxide : Fe ₂ O ₃ , CaO, Cl- : 0.007%, SiO ₂ : 0.005%
Residue On Ignition	0.71% (1000 °C)
Purity	99.9% (Rare earth oxide) 98.55% (Tarce rare earth oxide)
Storage	Store at RT
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager