

Certificate of Analysis

Date of Testing: 2022-08-11 15:20:54
Date of Next Testing: 2026-08-10 15:20:54
Product Name: **Gadolinium oxide**
CAS Number: 12064-62-9
Specifications & Purity: 99.8% metals basis, < 100 nm (BET)
Lot #: G2229357
SKU #: **G105877**
Analysis: **108252**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Gadolinium (Gd)	84.2-86.7 (%)	85.28 %
Total Metallic Impuritie particle size(BET)	0-3000 (ppm) 0-100 (nm)	64.00 ppm 10.47 nm
Purity(Based On Trace Rare Earth Analysis)	99.8-100 (%)	99.99 %
Appearance (G105877)	White powder	White powder
ICP:Confirms Gadolinium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager