

Certificate of Analysis

Date of Testing: 2022-09-12 10:40:54
Date of Next Testing: 2026-09-11 10:40:54
Product Name: **Samarium oxide**
CAS Number: 12060-58-1
Specifications & Purity: nanopowder, $\leq 100\text{nm}$, 99.5% metals basis
Lot #: I2207172
SKU #: **S299525**
Analysis: **133250**

Parameter	Limit Values	Result
Trace analysis of ICP	0-5000 (ppm)	1819.00 ppm
Particle size	0-100 (nm)	64.30 nm
Purity(Based On Trace Rare Earth Analysis)	99.5-100 (%)	99.82 %
Appearance (S299525)	White to Off-White Powder	White to Off-White Powder
ICP: Confirms Samarium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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QA & QC Manager