

Certificate of Analysis

Date of Testing: 2022-09-12 10:42:04

Date of Next Testing: 2026-09-11 10:42:04

Product Name: **Samarium oxide**

CAS Number: 12060-58-1

Specifications & Purity: nanopowder, $\leq 100\text{nm}$, 99.5% metals basis

Lot #: I2207174

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



John Su
QA & QC Manager