

Certificate of Analysis

Date of Testing: 2022-12-24 14:24:24
Date of Next Testing: 2026-12-23 14:24:24
Product Name: **Samarium oxide**
CAS Number: 12060-58-1
Specifications & Purity: $\leq 100\text{nm}$, 99.5% metals basis
Lot #: L2220283
SKU #: **S299525**
Analysis: **164230**

Parameter	Limit Values	Result
Trace analysis of ICP	0-5000 (ppm)	691.00 ppm
Purity(Based On Trace Rare Earth Analysis)	99.5-100 (%)	99.93 %
Particle size	0-100 (nm)	99.89 nm
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