

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-15 14:59:26

Date of Next Testing: 2026-12-14 14:59:26

Product Name: **samarium oxide**

CAS Number: 12060-58-1

Specifications & Purity: $\geq 99.5\%$ metals basis, 100-300nm

Lot #: L2212350

SKU #: **S407331**

Version: **1**

Analysis #: **169411**

Storage Temperature: Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
Trace Rare Earth Analysis	0-5000 (ppm)	49.00000 ppm
Particle size	100-300 (nm)	117.67000 nm
Purity(Based On Trace Rare Earth Analysis)	99.5-100 (%)	99.99510 %
Appearance(S407331)	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