

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-10 09:17:24

Date of Next Testing: 2026-08-09 09:17:24

Product Name: **Samarium oxide**

CAS Number: 12060-58-1

Specifications & Purity: 99.99% metals basis

Lot #: G2230331

SKU # **S108775**

Analysis: 107330

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis)	99.99-100 (%)	99.99 %
Trace Rare Earth Analysis	0-200 (ppm)	84.00 ppm
Sm(Complexometric EDTA)	84-88.4 (%)	84.03 %
Appearance (S108775)	Off-White to Pale Orange Powder	Off-White to Pale Orange Powder
ICP: Confirms Samarium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager