



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-03-31 17:33:03

Date of Next Testing: 2026-03-30 17:33:03

Product Name: **Samarium oxide**

CAS Number: 12060-58-1

Specifications & Purity: 99.9% metals basis

Lot #: E1809096

SKU #: **S108774**

Analysis: **085974**

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis)	99.9-100 (%)	99.92 %
Sm(Complexometric EDTA)	84.5-88 (%)	84.90 %
Trace Rare Earth Analysis	0-2000 (ppm)	354.00 ppm
Appearance (S108774)	Off-White to Beige or Cream-Colored Powder	Off-White to Beige or Cream-Colored Powder
ICP: Confirms Samarium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager