

Certificate of Analysis

Date of Testing: 2025-03-06 16:46:33

Date of Next Testing: 2029-03-05 16:46:33

Product Name: **Samarium oxide**

CAS Number: 12060-58-1

Specifications & Purity: PrimorTrace™, ≥99.99% metals basis

Lot #: C2503249

SKU #: **S108775**

Version: **0**

Analysis #: **472858**

Storage Temperature: Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
Sm(Complexometric EDTA)	84-88.4 (%)	84.04 %
Purity(Based On Trace Rare Earth Analysis)	99.99-100 (%)	99.99 %
Trace Rare Earth Analysis	0-200 (ppm)	67.00 ppm
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



John Su
QA & QC Manager