

Certificate of Analysis

Date of Testing: 2022-09-06 13:17:55

Date of Next Testing: 2026-09-05 13:17:55

Product Name: **Samarium oxide**

CAS Number: 12060-58-1

Specifications & Purity: 99.9% metals basis

Lot #: 12202812

SKU #: **S108774**

Analysis: **122864**

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis)	99.9-100 (%)	99.99%
Sm(Complexometric EDTA)	84.5-88 (%)	85.24%
Trace Rare Earth Analysis	0-2000 (ppm)	144.00 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