

Certificate of Analysis

Date of Testing: 2023-05-08 16:12:11

Date of Next Testing: 2027-05-07 16:12:11

Product Name: **Samarium oxide**

CAS Number: 12060-58-1

Specifications & Purity: $\geq 99.9\%$ metals basis

Lot #: D23211459

SKU #: **S108774**

Version: **0**

Analysis #: **154209**

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis)	99.9-100 (%)	99.91 %
Sm(Complexometric EDTA)	84.5-88 (%)	86.08 %
Trace Rare Earth Analysis	0-2000 (ppm)	916.00 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