

Certificate of Analysis

Date of Testing: 2025-02-08 10:11:58
Date of Next Testing: 2029-02-07 10:11:58
Product Name: **Samarium oxide**
CAS Number: 12060-58-1
Specifications & Purity: PrimorTrace™, ≥99.999% metals basis
Lot #: B2506446
SKU #: **S118883**
Version: **0**
Analysis #: **470795**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Sm(Complexometric EDTA)	84-88.4 (%)	84.39 %
Purity(Based On Trace Rare Earth Analysis)	99.999-100 (%)	100.00 %
Trace Rare Earth Analysis	0-20 (ppm)	9.00 ppm
Appearance (S118883)	White to light orange powder,crystals and/or chunk	White to light orange powder,crystals and/or chunk
ICP: Confirms Samarium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager