

Certificate of Analysis

Date of Testing: 2023-06-27 09:33:49

Date of Next Testing: 2027-06-26 09:33:49

Product Name: **Samarium oxide**

CAS Number: 12060-58-1

Specifications & Purity: 40nm,99.5% metals basis

Lot #: F23131114

SKU #: **S108776**

Analysis: **224554**

Parameter	Limit Values	Result
Particle size	30-50 (nm)	31.83 nm
Purity(Based On Rare Earth Analysis of ICP)	99.5-100 (%)	99.92 %
Trace Rare Earth Analysis	0-5000 (ppm)	848.00 ppm
Appearance (S108776)	White or off-white powder	White or off-white powder
ICP: Confirms Samarium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager