

Certificate of Analysis

Date of Testing: 2025-06-13 10:13:49

Date of Next Testing: 2027-06-03 10:13:49

Product Name: **Samarium(III) bromide**

CAS Number: 13759-87-0

Specifications & Purity: anhydrous, ≥99.9% metals basis, powder

Lot #: L2128281

SKU #: **S119164**

Version: **0**

Analysis #: **523139**

Parameter	Limit Values	Result
Complexometric EDTA (% Sm)	37.4-39.7 (%)	38.20 %
Water by Karl Fischer	0-2 (%)	1.02 %
Trace Rare Earth Analysis	0-2000 (ppm)	100.00 ppm
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.99 %
Appearance (S119164)	yellow powder	yellow powder
ICP: Confirms Samarium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager