

Certificate of Analysis

Date of Testing: 2022-11-19 11:32:26
Date of Next Testing: 2026-11-18 11:32:26
Product Name: **Samarium(III) chloride**
CAS Number: 10361-82-7
Specifications & Purity: anhydrous, powder, 99.9%
Lot #: K2217223
SKU #: **S119219**
Analysis: **157593**
Storage Temperature: Desiccated

| Parameter | Limit Values | Result |
|--------------------------------------------|----------------------------|----------------------------|
| Trace Rare Earth Analysis | 0-2000 (ppm) | 605.00 ppm |
| Purity(Based On Trace Rare Earth Analysis) | 99.9-100 (%) | 99.94 % |
| Complexiometric EDTA (% Sm) | 57.7-59.4 (%) | 58.60 % |
| Water by Karl Fischer | 0-3 (%) | 1.31 % |
| Appearance (S119219) | off-white to yellow powder | off-white to yellow powder |
| ICP Assay | Confirmed to structure | Confirmed to structure |
| X-Ray Diffraction | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager