

Certificate of Analysis

Date of Testing: 2024-08-19 10:35:37
Date of Next Testing: 2028-08-18 10:35:37
Product Name: **Samarium(III) chloride**
CAS Number: 10361-82-7
Specifications & Purity: anhydrous, powder, 99.9%
Lot #: H2408512
SKU #: **S119219**
Version: **0**
Analysis #: **393094**
Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Trace Rare Earth Analysis	0-2000 (ppm)	154.00 ppm
Purity(Based On Trace Rare Earth Analysis)	99.9-100 (%)	99.98 %
Complexiometric EDTA (% Sm)	57.7-59.4 (%)	58.63 %
Water by Karl Fischer	0-3 (%)	0.31 %
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