

Certificate of Analysis

Date of Testing: 2024-07-17 15:50:05

Date of Next Testing: 2028-07-16 15:50:05

Product Name: **Samarium(III) acetate hydrate**

CAS Number: 100587-91-5

Specifications & Purity: 99.9%trace metals basis

Lot #: G2405291

SKU #: **S196889**

Version: **0**

Analysis #: **351577**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Sm(Complexometric EDTA)	36-38 (%)	36.00 %
Purity(Based On Trace Rare Earth Analysis of ICP)	99.9-100 (%)	99.99 %
Trace Rare Earth Analysis	0-1500 (ppm)	100.00 ppm
Appearance (S196889)	Off-White to Yellow Powder,Chunk or Crystals	Off-White to Yellow Powder,Chunk or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
ICP: Confirms Samarium Component	Confirmed	Confirmed



John Su
QA & QC Manager