

Certificate of Analysis

Date of Testing: 2024-03-07 17:13:38

Date of Next Testing: 2028-03-06 17:13:38

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

CAS Number: 100587-91-5

Specifications & Purity: 99.9%trace metals basis

Lot #: C2406255

SKU #: **S196889**

Analysis: **323004**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis of ICP)	99.9-100 (%)	99.96 %
Sm(Complexometric EDTA)	36-38 (%)	37.47 %
Trace Rare Earth Analysis	0-1500 (ppm)	441.00 ppm
Appearance (S196889)	Off-White to Yellow Powder,Chunk or Crystals	Off-White to Yellow Powder,Chunk or Crystals
ICP: Confirms Samarium Component	Confirmed	Confirmed
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager