

Certificate of Analysis

Date of Testing: 2025-07-08 13:14:33

Date of Next Testing: 2028-07-07 13:14:33

Product Name: **Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)samarium(III)**

CAS Number: 15492-50-9

Specifications & Purity: $\geq 99.9\%$ metals basis(REO)

Lot #: F2523168

SKU #: **T283016**

Version **3**

Analysis #: **112652**

Parameter	Limit Values	Result
Purity Based On Rare Earth Analysis	99.9-100 (%)	99.96 %
Trace Rare Earth Analysis(by ICP Atomic emission)	≤ 2000 (ppm)	381.00 ppm
Sm(Complexometric EDTA)	21.05-21.9 (%)	21.89 %
Appearance(T283016)	Pale cream to yellow powder	Pale cream to yellow powder
ICP: Confirms Samarium Component	Confirmed	Confirmed
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager