

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-09 10:45:27
 Date of Next Testing: 2028-10-08 10:45:27
 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 #: A2309749
 SKU #: **T283016**
 Version: **3**
 Analysis #: **584231**

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)	383.00 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