

Certificate of Analysis

Date of Testing: 2023-04-02 20:05:09

Date of Next Testing: 2026-04-01 20:05:09

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

CAS Number: 15631-58-0

Specifications & Purity: $\geq 98\%$, $\geq 99.9\%$ metals basis(REO)

Lot #: C2327363

SKU #: **T283035**

Version: **2**

Analysis #: **173723**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Based on Rare Earth Analysis)	99.9-100 (%)	99.99 %
Trace Rare Earth Analysis(by ICP Atomic emission)	0-1000 (ppm)	81.00 ppm
Purity(HPLC)	98-100 (%)	98.02000 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
ICP: Confirms Thulium Component	Confirmed	Confirmed



John Su
QA & QC Manager