

## Certificate of Analysis

Date of Testing: 2023-10-30 14:26:17

Date of Next Testing: 2026-10-29 14:26:17

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

CAS Number: 15631-58-0

Specifications & Purity: 98% (99.9%-Tm) ((REO))

Lot #: J2326464

SKU #: **T283035**

**Analysis:** **281770**

Storage Temperature: Argon charged

| Parameter                                         | Limit Values          | Result                |
|---------------------------------------------------|-----------------------|-----------------------|
| Purity(HPLC)                                      | 98-100 (%)            | 99.83000 %            |
| Purity(Based on Rare Earth Analysis)              | 99.9-100 (%)          | 99.99 %               |
| Trace Rare Earth Analysis(by ICP Atomic emission) | 0-1000 (ppm)          | 58.00 ppm             |
| Carbon by Elemental Analysis                      | 53.9-55.09 (%)        | 54.65 %               |
| ICP: Confirms Thulium Component                   | Confirmed             | Confirmed             |
| Infrared spectrum                                 | Conforms to Structure | Conforms to Structure |



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