

Certificate of Analysis

Date of Testing: 2023-01-29 10:19:41

Date of Next Testing: 2026-01-28 10:19:41

Product Name: **Thulium(III) nitrate pentahydrate**

CAS Number: 36548-87-5

Specifications & Purity: PrimorTrace™, ≥99.9% metals basis

Lot #: A2314327

SKU #: **T189124**

Version: **0**

Analysis #: **172863**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis of ICP)	99.9-100 (%)	99.97 %
Trace Rare Earth Analysis	0-2000 (ppm)	262.00 ppm
Appearance (T189124)	White to Pale Green Powder or Chunks	White to Pale Green Powder or Chunks
ICP: Confirms Thulium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager