

Certificate of Analysis

Date of Testing: 2023-07-15 14:27:08

Date of Next Testing: 2027-07-14 14:27:08

Product Name: **Thulium**

CAS Number: 7440-30-4

Specifications & Purity: 99.9%(REO)

Lot #: G2307102

SKU # **T112802**

Analysis: **241263**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis)	99.9-100 (%)	99.90 %
Total Metallic Impuritie	0-2000 (ppm)	1000.00 ppm
Appearance (T112802)	dark grey powder	dark grey powder
ICP Assay	Confirmed to structure	Confirmed to structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager