



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-19 14:32:46

Date of Next Testing: 2027-05-18 14:32:46

Product Name: **Thulium oxide**

CAS Number: 12036-44-1

Specifications & Purity: 99.99%(REO)

Lot #: E2308139

SKU #: **T105902**

Analysis: **046665**

Parameter	Limit Values	Result
Compleximetric EDTA (% Tm)	85.8-89.3 (%)	87.29 %
Trace Rare Earth Analysis	0-200 (ppm)	94.00 ppm
Purity(Based On Trace Rare Earth Analysis)	99.99-100 (%)	99.99 %
Appearance (T105902)	White to Off-White Powder	White to Off-White Powder
ICP Assay	Confirmed to structure	Confirmed to structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager