

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-20 15:15:53

Date of Next Testing: 2027-11-19 15:15:53

Product Name: **Thulium(III) fluoride**

CAS Number: 13760-79-7

Specifications & Purity: anhydrous, powder, 99.99%

Lot #: K2317340

SKU #: **T119081**

Analysis: **294102**

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis)	99.99-100 (%)	99.99 %
Trace Rare Earth Analysis	0-200 (ppm)	56.00 ppm
Appearance (T119081)	white powder	White powder
ICP Assay	Confirmed to structure	Confirmed to structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager