

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-15 14:51:49

Date of Next Testing: 2026-06-14 14:51:49

Product Name: **Thulium(III) acetate hydrate**

CAS Number: 314041-04-8

Specifications & Purity: $\geq 99.9\%$ metals basis(REO)

Lot #: F2210553

SKU #: **T192674**

Version: **1**

Analysis #: **085828**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Thulium by ICP	38-44 (%)	39.17%
Trace Rare Earth Analysis(by ICP Atomic emission)	0-1500 (ppm)	1192.00 ppm
Purity(Based on Rare Earth Analysis)	99.9-100 (%)	99.90%
Appearance (T192674)	White to pale green powder to crystalline powder	White to pale green powder to crystalline powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager