

Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Certificate of Analysis

Date of Testing: 2023-04-17 16:04:52
Date of Next Testing: 2027-04-16 16:04:52
Product Name: **Thulium sulfate octahydrate**
CAS Number: 13778-40-0
Specifications & Purity: 99.9% metals basis
Lot #: G1912018
SKU #: **T119086**
Analysis: **212649**

Parameter	Limit Values	Result
Trace Rare Earth Analysis	0-2000 (ppm)	1000.00000 ppm
Water by Karl Fischer	15-25 (%)	16.10000 %
Purity(Based On Trace Rare Earth Analysis)	99.9-100 (%)	99.90000 %
ICP Assay	Confirmed to structure	Confirmed to structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager