

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

## Certificate of Analysis

Date of Testing: 2024-10-11 15:35:06

Date of Next Testing: 2028-10-10 15:35:06

Product Name: **Thulium oxide**

CAS Number: 12036-44-1

Specifications & Purity: 99.99%(REO)

Lot #: J2408547

SKU #: **S52514**

Version: **0**

Analysis #: **418874**

Storage Temperature: Room temperature

| Parameter                                  | Limit Values              | Result                    |
|--------------------------------------------|---------------------------|---------------------------|
| Complexiometric EDTA (% Tm)                | 85.8-89.3 (%)             | 88.50 %                   |
| Trace Rare Earth Analysis                  | 0-200 (ppm)               | 12.00 ppm                 |
| Purity(Based On Trace Rare Earth Analysis) | 99.99-100 (%)             | 100.00 %                  |
| ICP Assay                                  | Confirmed to structure    | Confirmed to structure    |
| X-Ray Diffraction                          | Conforms to Structure     | Conforms to Structure     |
| Appearance(S52514)                         | White to Off-White Powder | White to Off-White Powder |

Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zou

