

Certificate of Analysis

Product Name: Thulium trichloride
Cat. No.: GB61598
Batch No.: 1
Chemical Name:

PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 1331-74-4
Molecular Formula: ClTm
Molecular Weight: 204.39
Storage: Store at room temperature, keep dry and cool

Chemical Structure:



ANALYTICAL DATA

Appearance: A solid
HNMR: Consistent with structure
HPLC: Consistent with structure
Purity: >99.00%
CeO₂: 1 ppm
La₂O₃: 1 ppm
Pr₆O₁₁: 1 ppm
Nd₂O₃: 1 ppm
Sm₂O₃: 3 ppm
Er₂O₃: 10 ppm

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Certificate of Analysis

ANALYTICAL DATA

Yb ₂ O ₃ :	10 ppm
Fe ₂ O ₃ :	5 ppm
SO ₄ ²⁻ :	50 ppm
CL ⁻ :	50 ppm
PO ₄ ³⁻ :	5 ppm
CaO:	10 ppm
PbO:	10 ppm
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA