Certificate of Analysis

Compound Information

Product Name:	Thulium chloride hydrate, 99.99%
Cat. No.:	1239545
CAS No.:	19423-86-0
Molecular Formula:	$TmCl_3.xH_2O$
Molecular Weight:	275.29 (anhydrous basis)
Chemical Structure:	

$$TmCl_3 \cdot xH_2O$$

Batch Information

Batch No.:	Le060973985
Storage:	Store at room temperature, keep dry and cool
Test Date:	2021-06-09
Retest Date:	2026-06-08
Origin:	Shanghai, China

QC Summary

Appearance:	Off-white to light green (Solid)
Assay:	99.99%
Total Oxide Content (TREO) :	≥49.50%
Water(KF):	30.20%
La_2O_3:	0.0005%
CeO_2:	0.0005%
Pr_6O_{11}:	0.0005%
Nd_2O_3:	0.0010%
Sm_2O_3:	0.0010%
Gd_2O_3:	0.0005%
Eu_2O_3:	0.0005%
Dy_2O_3:	0.0005%
Ho_2O_3:	0.0005%
Er_2O_3:	0.0010%
Tb_4O_7:	0.0002%

Yb_2O_3:	0.0010%
Lu_2O_3:	0.0004%
Y_2O_3:	0.0010%
Fe_2O_3:	0.0008%
SiO_2:	0.0030%
CaO:	0.0035%
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

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