

Technical Data Sheet
THULIUM(III) CHLORIDE HEXAHYDRATE

Compound Information

Product Name:	THULIUM(III) CHLORIDE HEXAHYDRATE
CAS No.:	1331-74-4
Molecular Formula:	ClHTm
Molecular Weight:	205.39
Revision Date:	2026-04-15

Analytical Information

Tests	Specifications
Appearance	Off-white to light green Solid
Appearance (Form)	Crystals or crystalline powder
Identification (ICP)	Confirms Thulium Component
Purity	99.99% based on rare earth analysis
Content	Trace rare earth analysis: ≤ 200.0 ppm
Aluminum	0.5 ppm
Arsenic	8.8 ppm
Bismuth	< 0.4 ppm
Boron	2.4 ppm
Calcium	2.4 ppm
Cesium	0.1 ppm
Chromium	0.2 ppm
Copper	0.3 ppm
Dysprosium	0.1 ppm
Erbium	1.3 ppm
Europium	0.4 ppm
Gadolinium	0.9 ppm
Holmium	1.2 ppm
Iron	0.4 ppm

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