



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-253621
Lot Number: SAMPLE
Product Name: Terbium(III) nitrate hexahydrate
CAS Number: 13451-19-9
Molecular Formula: $\text{Tb}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$
Molecular Weight: 453.03

Test	Specification	Result
Appearance	White powder, crystals and/or chunks	White powder
Identification (ICP)		Complies
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Purity	99.999%	Complies
Purity (Titration)	34.4 - 35.8%	34.5%
Trace Rare Earth Analysis	≤ 20.0 ppm	2.5 ppm
Lithium		3.6 ppm
Potassium		58.2 ppm
Samarium		1.5 ppm
Thulium		1.0 ppm

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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