



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-234868
Lot Number: SAMPLE
Product Name: Erbium(III) chloride hexahydrate
CAS Number: 10025-75-9
Molecular Formula: $\text{ErCl}_3 \cdot 6\text{H}_2\text{O}$
Molecular Weight: 381.71

Test	Specification	Result
Appearance	Pink crystals or crystalline powder and/or chunks	Pink crystals
Identification (ICP)	Confirms Erbium component	Complies
Purity (Rare Earth Analysis)	99.9%	Complies
Trace Rare Earth Analysis	≤ 1500.0 ppm	18.5 ppm
Aluminum		0.6 ppm
Barium		1.3 ppm
Beryllium		0.2 ppm
Cadmium		0.5 ppm
Calcium		26.7 ppm
Cerium		5.7 ppm
Cobalt		4.8 ppm
Dysprosium		10.3 ppm
Erbium	42.3 - 45.3% (Titration with EDTA)	43.7%
Iron		3.2 ppm
Magnesium		1.1 ppm
Molybdenum		2.6 ppm
Praseodymium		2.5 ppm
Silver		11.6 ppm
Sodium		12.3 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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Strontium	0.8 ppm
Tungsten	5.9 ppm
Vanadium	2.0 ppm
Zinc	3.7 ppm
Zirconium	6.8 ppm

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