



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-239978
Lot Number: SAMPLE
Product Name: Europium(III) chloride hexahydrate
CAS Number: 13759-92-7
Molecular Formula: $\text{Cl}_3\text{Eu} \cdot 6\text{H}_2\text{O}$
Molecular Weight: 366.41

Test	Specification	Result
Appearance	White, crystals, chunks or crystalline powder	White crystalline powder
Identification (ICP)	Consistent with Europium component	Complies
Purity (Rare Earth Analysis)	99.99%	Complies
Trace Rare Earth Analysis	≤ 150.0 ppm	53.4 ppm
Aluminum		0.5 ppm
Arsenic		25.0 ppm
Barium		0.4 ppm
Bismuth		0.7 ppm
Europium	40.4 - 42.5% (titration with EDTA)	41.6%
Gadolinium		1.1 ppm
Iron		1.4 ppm
Lead		0.4 ppm
Nickel		0.3 ppm
Samarium		0.3 ppm
Sodium		0.8 ppm
Thulium		52.0 ppm
Vanadium		0.1 ppm
Zinc		26.0 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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