



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-235109
Lot Number: SAMPLE
Product Name: Europium(III) nitrate pentahydrate
CAS Number: 63026-01-7
Molecular Formula: $\text{EuN}_3\text{O}_9 \cdot 5\text{H}_2\text{O}$
Molecular Weight: 428.06

Test	Specification	Result
Appearance	White to off white crystals, powder or crystalline powder and/or chunks	White powder
Identification (ICP)	Consistent with Europium component	Complies
Purity (Rare Earth Analysis)	99.9%	Complies
Trace Rare Earth Analysis	≤ 1500.0 ppm	73.0 ppm
Calcium		3.2 ppm
Europium	34.0 - 37.0% (complexometric EDTA)	35.0%
Gadolinium		71.3 ppm
Molybdenum		6.2 ppm
Silver		1.5 ppm
Strontium		0.3 ppm
Yttrium		1.7 ppm
Zirconium		0.6 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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