



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-235487  
Lot Number: SAMPLE  
Product Name: Lanthanum(III) carbonate hydrate  
CAS Number: 54451-24-0  
Molecular Formula:  $\text{La}_2(\text{CO}_3)_3$   
Molecular Weight: 457.84

Test	Specification	Result
Assay	$\geq 99.9\%$ (TREO basis)	99.987 %
Content	Aluminum oxide: $\leq 100$ ppm Sodium oxide: $\leq 50$ ppm Manganese oxide: $\leq 50$ ppm Iron oxide: $\leq 50$ ppm Calcium oxide: $\leq 250$ ppm	< 2 ppm 6 ppm 8 ppm 9 ppm 23 ppm
Lanthanum	$\sim 54\%$	55.8 %
Total Rare Earth Oxides	$\leq 0.1\%$	0.0125 % (remaining)

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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