



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-227242  
Lot Number: SAMPLE  
Product Name: Aluminum cerium oxide  
CAS Number: 12014-44-7  
Molecular Formula:  $\text{AlCeO}_3$   
Molecular Weight: 215.10

Test	Specification	Result
Appearance	White to off-white powder	Off-white powder
Identification (X-Ray Diffraction)	Consistent with structure	Complies
Purity (Trace Metal Analysis)	99%	Complies
Particle Size	$\leq 80.00$ nm (BET)	$< 80.00$ nm
Trace metal analysis	$\leq 20000$ ppm	1051 ppm
Beryllium		0.2 ppm
Boron		0.9 ppm
Calcium		335.0 ppm
Chromium		3.5 ppm
Copper		15.0 ppm
Iron		67.0 ppm
Lead		0.2 ppm
Lithium		3.3 ppm
Magnesium		14.0 ppm
Manganese		11.0 ppm
Molybdenum		1.2 ppm
Nickel		8.5 ppm
Potassium		10.0 ppm
Sodium		450.0 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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Strontium	2.0 ppm
Titanium	1.4 ppm
Vanadium	1.6 ppm
Zinc	11.0 ppm
Zirconium	115.0 ppm

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