

## Certificate of Analysis

Date of Testing: 2024-12-11 09:59:58  
Date of Next Testing: 2028-12-10 09:59:58  
Product Name: **Cerium oxide**  
CAS Number: 1306-38-3  
Specifications & Purity:  $\geq 99.9\%$  metals basis, yellow  
Lot #: K2429633  
SKU #: **C103980**  
Version: **1**  
Analysis #: **437314**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Trace Rare Earth Analysis	0-2000 (ppm)	575.00 ppm
Purity(Based On Trace Rare Earth Analysis of ICP)	99.9-100 (%)	99.94 %
Appearance (C103980)	yellow to tan powder	yellow to tan powder
ICP: Confirms Cerium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager