

## Certificate of Analysis

Date of Testing: 2023-07-07 11:26:54  
Date of Next Testing: 2027-07-06 11:26:54  
Product Name: **Cerium oxide**  
CAS Number: 1306-38-3  
Specifications & Purity: 99.99% metals basis  
Lot #: F2330480  
SKU #: **C103988**  
**Analysis:** **147345**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Trace Rare Earth Analysis	0-200 (ppm)	16.00 ppm
loss on Ignition	0-1 (%)	0.02 %
Purity(Based On Trace Rare Earth Analysis)	99.99-100 (%)	100.00 %
Appearance (C103988)	white to yellow to tan powder	white to yellow to tan powder
ICP: Confirms Cerium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager