

## Certificate of Analysis

Date of Testing: 2022-11-15 10:05:05  
Date of Next Testing: 2026-11-14 10:05:05  
Product Name: **Cerium oxide**  
CAS Number: 1306-38-3  
Specifications & Purity: 99.9% metals basis , yellow  
Lot #: K2211543  
SKU #: **C103980**  
**Analysis:** **155839**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Trace Rare Earth Analysis	0-2000 (ppm)	182.00 ppm
Purity(Based On Trace Rare Earth Analysis of ICP)	99.9-100 (%)	99.98 %
loss on Ignition	0-1 (%)	0.89 %
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