

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-04-12 10:57:50  
Date of Next Testing: 2027-04-11 10:57:50  
Product Name: **Cerium oxide**  
CAS Number: 1306-38-3  
Specifications & Purity: nanopowder,99.9% metals basis,< 100 nm(SEM)  
Lot #: F1920123  
SKU #: **C103984**  
**Analysis:** **209581**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Trace Rare Earth Analysis	0-2000 (ppm)	94.00 ppm
Particle Size(TEM)	0-100 (nm)	14.27 nm
Purity(Based On Trace Rare Earth Analysis)	99.9-100 (%)	99.99%
Appearance (C103984)	White to Yellow Powder	White to Yellow Powder
ICP: Confirms Cerium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager