

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-03 15:43:56
Date of Next Testing: 2028-12-02 15:43:56
Product Name: **Cerium oxide**
CAS Number: 1306-38-3
Specifications & Purity: $\geq 99.9\%$ metals basis, < 100 nm(SEM)
Lot #: L2403006
SKU #: **C103984**
Version: **0**
Analysis #: **437246**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Trace Rare Earth Analysis	0-2000 (ppm)	258.00 ppm
Purity(Based On Trace Rare Earth Analysis)	99.9-100 (%)	99.97 %
Particle Size(TEM)	0-100 (nm)	75.95 nm
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