

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-20 08:15:33
Date of Next Testing: 2027-03-19 08:15:33
Product Name: **Cerium oxide**
CAS Number: 1306-38-3
Specifications & Purity: 99.95% metals basis, <50 nm (SEM)
Lot #: C23161025
SKU #: **C103983**
Analysis: 189871

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis)	99.95-100 (%)	100.00 %
Trace Rare Earth Analysis	0-500 (ppm)	29.00 ppm
Particle Size(TEM)	0-50 (nm)	10.68 nm
Appearance (C103983)	White to yellow powder or crystals	White to yellow powder or crystals
ICP: Confirms Cerium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager