

Certificate of Analysis

Date of Testing: 2023-04-09 15:12:38
Date of Next Testing: 2027-04-08 15:12:38
Product Name: **Cerium oxide**
CAS Number: 1306-38-3
Specifications & Purity: 20nm-50nm,99.5% metals basis
Lot #: D2303584
SKU #: **C103981**
Analysis: **190103**

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis)	99.5-100 (%)	99.99%
Trace Rare Earth Analysis(by ICP Atomic emission)	0-5000 (ppm)	127.00 ppm
Particle size	20-50 (nm)	20.01 nm
Appearance (C103981)	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