

## Certificate of Analysis

Date of Testing: 2023-12-18 10:57:17  
Date of Next Testing: 2027-12-17 10:57:17  
Product Name: **Lanthanum oxide**  
CAS Number: 1312-81-8  
Specifications & Purity: 99.9% metals basis  
Lot #: L2313130  
SKU #: **L103877**  
**Analysis:** **297585**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
La(Complexometric EDTA)	84-86.5 (%)	84.72 %
Trace Rare Earth Analysis	0-2000 (ppm)	201.00 ppm
Purity(Based On Trace Rare Earth Analysis of ICP)	99.9-100 (%)	99.98 %
Appearance (L103877)	white powder	White powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
Solubility in 1 M HCl , Colorless, Clear to Slightly Hazy,50 mg/ml	pass	Pass



John Su  
QA & QC Manager