

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-03 14:59:09  
Date of Next Testing: 2026-11-02 14:59:09  
Product Name: **Lanthanum oxide**  
CAS Number: 1312-81-8  
Specifications & Purity: 99.9% metals basis  
Lot #: J2221369  
SKU #: **L103877**  
**Analysis: 127039**  
Storage Temperature: Argon charged

| Parameter  | Limit Values          | Result                |
|--|-----------------------|-----------------------|
| Trace Rare Earth Analysis  | 0-2000 (ppm)          | 136.00 ppm            |
| Purity(Based On Trace Rare Earth Analysis of ICP)                  | 99.9-100 (%)          | 99.99%                |
| La(Complexometric EDTA)  | 84-86.5 (%)           | 84.54%                |
| Appearance (L103877)   | white powder          | White powder          |
| Solubility in 1 M HCl , Colorless, Clear to Slightly Hazy,50 mg/ml | pass                  | Pass                  |
| X-Ray Diffraction  | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager