

## Certificate of Analysis

Date of Testing: 2022-08-04 15:08:19  
Date of Next Testing: 2026-08-03 15:08:19  
Product Name: **Lanthanum chloride**  
CAS Number: 10099-58-8  
Specifications & Purity: Ultra dry, 99.9% (REO)  
Lot #: G2227263  
SKU #: **L290932**  
**Analysis:** **098950**  
Storage Temperature: Room temperature, Argon charged, Desiccated

| Parameter                            | Limit Values          | Result                |
|--------------------------------------|-----------------------|-----------------------|
| Purity(Based on Rare Earth Analysis) | 99.9-100 (%)          | 99.90%                |
| Trace Rare Earth Analysis            | 0-1500 (ppm)          | 1000.00 ppm           |
| Water by Karl Fischer                | 0-100 (ppm)           | 6.00 ppm              |
| X-Ray Diffraction                    | Conforms to Structure | Conforms to Structure |
| Appearance(L290932)                  | White Beads or Chunks | White Beads or Chunks |



John Su  
QA & QC Manager