

## Certificate of Analysis

Date of Testing: 2022-10-12 17:12:11  
Date of Next Testing: 2026-10-11 17:12:11  
Product Name: **Lanthanum nitrate hexahydrate**  
CAS Number: 10277-43-7  
Specifications & Purity: 99.99% metals basis  
Lot #: J2209453  
SKU #: **L106048**  
Analysis: **137447**

| Parameter                                  | Limit Values                         | Result                               |
|--|--------------------------------------|--------------------------------------|
| Purity(Based On Trace Rare Earth Analysis) | 99.99-100 (%)                        | 100.00 %                             |
| La(Complexometric EDTA)                    | 30.8-31.8 (%)                        | 30.81 %                              |
| Trace Rare Earth Analysis                  | 0-200 (ppm)                          | 46.00 ppm                            |
| Water by Karl Fischer                      | 23-27 (%)                            | 25.34 %                              |
| Appearance (L106048)                       | White Powder, Crystals and/or Chunks | White Powder, Crystals and/or Chunks |
| ICP: Confirms Lanthanum Component          | Confirmed                            | Confirmed                            |
| X-Ray Diffraction                          | Conforms to Structure                | Conforms to Structure                |



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QA & QC Manager