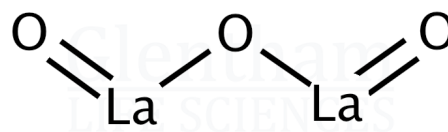


## Certificate of Analysis

|               |                         |
|---------------|-------------------------|
| Product Name  | Lanthanum oxide, 99.99% |
| Glentham Code | GX9038                  |
| CAS Number    | 1312-81-8               |
| Batch Number  | 077XPK                  |

|                   |                                |
|-------------------|--------------------------------|
| Molecular Weight  | 325.82                         |
| Molecular Formula | La <sub>2</sub> O <sub>3</sub> |
| Storage Temp.     | +20°C                          |



| Property                  | Specification         | Batch 077XPK |
|---------------------------|-----------------------|--------------|
| Physical Description      | White powder          | Conforms     |
| Trace Rare Earth Analysis | ≤ 100ppm              | Conforms     |
| Loss on Ignition          | ≤ 1.0%                | 0.4%         |
| Purity                    | ≥ 99.99% (TREO basis) | ≥ 99.995%    |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.0       |
| Manufacture Date      | 2019-02-07 |
| Re-Test Date          | 2028-04-20 |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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