

Certificate of Analysis

Date of Testing: 2022-11-09 12:45:24
Date of Next Testing: 2026-11-08 12:45:24
Product Name: **Lanthanum hexaboride**
CAS Number: 12008-21-8
Specifications & Purity: powder, ≥325 mesh, 99.5% metals basis
Lot #: K2205216
SKU #: **L301754**
Analysis: **140551**

| Parameter | Limit Values | Result |
|--------------------------------------|------------------------------|------------------------------|
| Lanthanum(La) | 65.8-70.6 (%) | 65.84 % |
| Particle size | ≥325 (mesh) | 829.00 mesh |
| Purity(Based on Rare Earth Analysis) | 99.5-100 (%) | 99.99 % |
| Trace Rare Earth Analysis | 0-5000 (ppm) | 128.00 ppm |
| Boron(B) | 30.7-32.9 (%) | 32.85 % |
| Appearance (L301754) | Blue to Purple Powder/Pieces | Blue to Purple Powder/Pieces |
| X-Ray Diffraction | Conforms to Structure | Conforms to Structure |



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