

## Certificate of Analysis

Date of Testing: 2022-11-09 12:25:18  
Date of Next Testing: 2026-11-08 12:25:18  
Product Name: **Lanthanum hexaboride**  
CAS Number: 12008-21-8  
Specifications & Purity: powder, ≥325 mesh, 99.5% metals basis  
Lot #: K2205217  
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



John Su  
QA & QC Manager