

Certificate of Analysis

Date of Testing: 2023-05-23 13:31:53
Date of Next Testing: 2027-05-22 13:31:53
Product Name: **Lanthanum hexaboride**
CAS Number: 12008-21-8
Specifications & Purity: powder, ≥325 mesh, 99.5% metals basis
Lot #: E23161114
SKU #: **L301754**
Analysis: **227025**

Parameter	Limit Values	Result
Lanthanum(La)	65.8-70.6 (%)	69.02%
Boron(B)	30.7-32.9 (%)	32.89%
Particle size	≥325 (mesh)	588.24 mesh
Purity(Based on Rare Earth Analysis)	99.5-100 (%)	99.94%
Trace Rare Earth Analysis	0-5000 (ppm)	615.00 ppm
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