

Certificate of Analysis

Date of Testing: 2024-11-05 14:35:12
Date of Next Testing: 2028-11-04 14:35:12
Product Name: **Lanthanum hexaboride**
CAS Number: 12008-21-8
Specifications & Purity: $\geq 99.5\%$ metals basis, powder, ≥ 325 mesh
Lot #: A2108274
SKU #: **L301754**
Version: **1**
Analysis #: **430808**

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)	617.00 ppm
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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QA & QC Manager