

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2021-12-18 16:05:17  
Date of Next Testing: 2025-12-17 16:05:17  
Product Name: **L-Phenylalanine**  
CAS Number: 63-91-2  
Specifications & Purity: 99%  
Lot #: L2115034  
SKU #: **P110424**  
Version: **0**  
Analysis #: **060207**  
Storage Temperature: Protected from light, Desiccated

Parameter	Limit Values	Result
Purity	99-100 (%)	99.99 %
Loss on drying	0-0.3 (%)	0.01 %
Pb measure	0-10 (ppm)	6.31 ppm
PH	5.4-6	5.70
Heavy metal (as Pb)	0-20 (ppm)	10.52 ppm
Sulfate Ash	0-0.1 (%)	0.06 %
Specific rotation $[\alpha]_{20/D}(c=2, H_2O)$	33.5-35.5 (°)	34.57°
Appearance (P110424)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager