

Certificate of Analysis

Date of Testing: 2025-01-22 13:57:10

Date of Next Testing: 2029-01-21 13:57:10

Product Name: **L-Phenylalanine**

CAS Number: 63-91-2

Specifications & Purity: Moligand™, ≥99%

Lot #: A2517452

SKU #: **P110424**

Version: **1**

Analysis #: **466588**

Storage Temperature: Protected from light, Desiccated

Parameter	Limit Values	Result
Purity	99-100 (%)	99.40 %
Loss on drying	0-0.3 (%)	0.07 %
Pb measure	0-10 (ppm)	2.00 ppm
PH	5.4-6	5.90
Heavy metal (as Pb)	0-20 (ppm)	2.00 ppm
Sulfate Ash	0-0.1 (%)	0.01 %
Specific rotation $[\alpha]_{20/D(c=2, H_2O)}$	-35.5~-33.5 (°)	-33.50 °
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