

Certificate of Analysis

Date of Testing: 2024-06-27 10:24:36
Date of Next Testing: 2028-06-26 10:24:36
Product Name: **L-Phenylalanine**
CAS Number: 63-91-2
Specifications & Purity: 99%
Lot #: F2425355
SKU #: **P110424**
Version: **0**
Analysis #: **377128**
Storage Temperature: Protected from light, Desiccated

Parameter	Limit Values	Result
Purity	99-100 (%)	99.81%
Loss on drying	0-0.3 (%)	0.00%
Pb measure	0-10 (ppm)	5.00 ppm
PH	5.4-6	5.60
Heavy metal (as Pb)	0-20 (ppm)	1.97 ppm
Sulfate Ash	0-0.1 (%)	0.00%
Specific rotation $[\alpha]_{20/D}(c=2, H_2O)$	-35.5~-33.5 (°)	-33.51°
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