

Certificate of Analysis

Date of Testing: 2022-02-28 12:23:22

Date of Next Testing: 2026-02-27 12:23:22

Product Name: **D-Phenylalanine**

CAS Number: 673-06-3

Specifications & Purity: 98%

Lot #: B2225670

SKU #: **P109094**Analysis: **056087**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	8.2-8.8 (%)	8.20 %
Carbon by Elemental Analysis	64.1-66.7 (%)	64.10 %
Specific Rotation [α] ₂₀ /D(c=2 in H ₂ O)	33-35 (°)	33.01°
Purity(HPLC)	98-100 (%)	99.77200 %
Appearance (P109094)	White or off-white powder	White or off-white powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1 M HCl , Colorless to yellow,clear to slightly hazy,50mg/ml	pass	Pass
Solubility in H ₂ O	Almost transparency	almost transparency

John Su
QA & QC Manager