

Certificate of Analysis

Date of Testing: 2023-02-27 15:38:03

Date of Next Testing: 2027-02-26 15:38:03

Product Name: **D-Phenylalanine**

CAS Number: 673-06-3

Specifications & Purity: 98%

Lot #: B2320554

SKU #: **P109094****Analysis: 176181**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	8.2-8.8 (%)	8.54 %
Carbon by Elemental Analysis	64.1-66.7 (%)	64.96 %
Purity(HPLC)	98-100 (%)	99.88600 %
Specific Rotation $[\alpha]_{20}^D(c=2 \text{ in H}_2\text{O})$	33-35 (°)	34.98 °
Appearance (P109094)	White or off-white powder	White or off-white powder
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
Infrared spectrum	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager