

## Certificate of Analysis

Date of Testing: 2025-04-17 10:13:42  
Date of Next Testing: 2029-04-16 10:13:42  
Product Name: **D-Phenylalanine**  
CAS Number: 673-06-3  
Specifications & Purity: Moligand™, ≥98%  
Lot #: D2508727  
SKU #: **P109094**  
Version: **0**  
Analysis #: **384204**

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=2 in H <sub>2</sub> O)	33-35 (°)	33.26°
Nitrogen by Elemental Analysis	8.2-8.8 (%)	8.21%
Carbon by Elemental Analysis	64.1-66.7 (%)	64.13%
Purity(HPLC)	98-100 (%)	99.12000%
Appearance (P109094)	White or off-white powder	White or off-white powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O	Almost transparency	almost transparency
Solubility in 1 M HCl , Colorless to yellow,clear to slightly hazy,50mg/ml	pass	Pass



John Su  
QA & QC Manager