

Certificate of Analysis

Date of Testing: 2023-05-09 09:45:33

Date of Next Testing: 2027-05-08 09:45:33

Product Name: **DL-Norvaline**

CAS Number: 760-78-1

Specifications & Purity: 99%

Lot #: D2321439

SKU #: **N100542**

Analysis: 047807

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.95800%
Specific Rotation [α] ₂₅ /D(c=2 in 5 M HCl)	-0.1-0.1 (°)	0.10°
Appearance (N100542)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Clear(50 mg/mL, H ₂ O)	pass	Pass



John Su
QA & QC Manager