

Certificate of Analysis

Date of Testing: 2025-04-25 08:43:25
Date of Next Testing: 2029-04-24 08:43:25
Product Name: **L-Norvaline**
CAS Number: 6600-40-4
Specifications & Purity: $\geq 99\%$
Lot #: D2514450
SKU #: **N106215**
Version: **1**
Analysis #: **382198**

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.63000 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in } 5N \text{ HCl})$	22.5-25.5 ($^{\circ}$)	22.53000 $^{\circ}$
Appearance (N106215)	White crystal powder	White crystal powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility, Colorless and clear(5% in H ₂ O)	pass	Pass
TLC Analysis	One spot	One spot



John Su
QA & QC Manager