

Certificate of Analysis

Date of Testing: 2025-01-07 14:45:36

Date of Next Testing: 2029-01-06 14:45:36

Product Name: **L-Norvaline**

CAS Number: 6600-40-4

Specifications & Purity: $\geq 99\%$

Lot #: F1707061

SKU #: **N106215**

Version **1**

Analysis #: **458382**

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.01180 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in } 5N \text{ HCl})$	22.5-25.5 ($^{\circ}$)	25.49800 $^{\circ}$
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