

Certificate of Analysis

Date of Testing: 2024-09-13 11:24:21
Date of Next Testing: 2028-09-12 11:24:21
Product Name: **D-Norvaline**
CAS Number: 2013-12-9
Specifications & Purity: 99%
Lot #: K2011032
SKU #: **N106191**
Version: **0**
Analysis #: **410992**

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=10 in 5M HCL)	-26--20 (°)	-22.10°
Purity(Nonaqueous Titration)	98.5-101.5 (%)	99.80 %
Enantiometric Excess	98-100 (%)	98.20 %
Appearance (N106191)	White Powder, Crystals, Granules and/or Lumps	White Powder, Crystals, Granules and/or Lumps
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager