

Aladdin warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Aladdin-e.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

## Specification Sheet

Product Name: **D-Norvaline**  
Specifications & Purity: **99%**  
SKU #: **N106191**

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

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Phone: +86 400 620 6333 Email: Sale@aladdin-e.com Web: <https://www.aladdin-e.com>

Tax ID: 91310000685518645K