

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-15 09:33:58
 Date of Next Testing: 2027-04-15 09:33:58
 Product Name: **DL-Valine methyl ester hydrochloride**
 CAS Number: 5619-05-6
 Specifications & Purity: $\geq 98\%$
 Lot #: F2320094
 SKU #: **D133919**
 Version: **0**
 Analysis #: **494630**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.50000 %
Specific Rotation $[\alpha]_{20/D(c=2 \text{ in H}_2\text{O})}$	-1-1 (°)	0.00000 °
Carbon by Elemental Analysis	42.1-43.5 (%)	42.10000 %
Melting point	103-107 (°C)	105.00000 °C
Appearance (D133919)	White to Off-White Powder or Solid	White to Off-White Powder or Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager