

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-20 16:18:53

Date of Next Testing: 2026-10-19 16:18:53

Product Name: **L-Valine methyl ester hydrochloride**

CAS Number: 6306-52-1

Specifications & Purity: $\geq 99\%$

Lot #: A1904252

SKU #: **V105985**

Version: **0**

Analysis #: **146669**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	98.5-101.5 (%)	100.81250 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$	13.5-16.5 (°)	15.36200°
Appearance (V105985)	white powder or solid	white powder or solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless ,Clear ,50 mg/mL in H ₂ O	pass	Pass



John Su
QA & QC Manager