

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-23 13:53:34
 Date of Next Testing: 2027-02-22 13:53:34
 Product Name: **L-Valine methyl ester hydrochloride**
 CAS Number: 6306-52-1
 Specifications & Purity: $\geq 99\%$
 Lot #: B2317307
 SKU #: **V105985**
 Version: **0**
 Analysis #: **191369**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	98.5-101.5 (%)	100.49000 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$	13.5-16.5 (°)	13.58200 °
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