

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-05-13 15:32:03

Date of Next Testing: 2026-05-12 15:32:03

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

CAS Number: 7517-19-3

Specifications & Purity: $\geq 98\%$

Lot #: G1809093

SKU #: **L109004**

Version: **0**

Analysis #: **090646**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Loss on drying	0-0.5 (%)	0.23000 %
Sulfate Ash	0-0.2 (%)	0.12000 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$	12-14 (°)	12.80000 °
Purity(Titration by AgNO ₃)	98-100 (%)	99.30000 %
Substances not precipitated by ammonia	0-0.5 (%)	0.32000 %
Appearance (L109004)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager