

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-05 14:59:16  
Date of Next Testing: 2026-12-05 14:59:16  
Product Name: **L-Alanine methyl ester hydrochloride**  
CAS Number: 2491-20-5  
Specifications & Purity:  $\geq 98\%$   
Lot #: B2321079  
SKU #: **A100815**  
Version: **0**  
Analysis #: **443775**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	108-112 (°C)	110.75800 °C
Purity (Argentometric Titration)	98-100 (%)	99.89400 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in MeOH})$	5-8 (°)	7.98400 °
Appearance (A100815)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O, Colorless, Clear, 100 mg/mL, H <sub>2</sub> O	pass	Pass



John Su  
QA & QC Manager