

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-02 13:57:10  
Date of Next Testing: 2025-09-01 13:57:10  
Product Name: **L-Alanine methyl ester hydrochloride**  
CAS Number: 2491-20-5  
Specifications & Purity:  $\geq 98\%$   
Lot #: C1823078  
SKU #: **A100815**  
Version: **0**  
Analysis #: **260712**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=2 \text{ in MeOH})}$	5-8 ( $^{\circ}$ )	7.96000 $^{\circ}$
Purity (Argentometric Titration)	98-100 (%)	99.59000 %
Melting point	108-112 ( $^{\circ}\text{C}$ )	108.01000 $^{\circ}\text{C}$
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