

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-03 13:27:42

Date of Next Testing: 2026-07-03 13:27:42

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

CAS Number: 2491-20-5

Specifications & Purity:  $\geq 98\%$

Lot #: F2421083

SKU #: **A100815**

Version: **0**

Analysis #: **361979**

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

| Parameter                                                                    | Limit Values             | Result                   |
|------------------------------------------------------------------------------|--------------------------|--------------------------|
| Purity (Argentmetric Titration)                                              | 98-100 (%)               | 99.55000 %               |
| Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in MeOH})$                     | 5-8 (°)                  | 6.58200 °                |
| Melting point                                                                | 108-112 (°C)             | 108.01000 °C             |
| Appearance (A100815)                                                         | White Powder or Crystals | White Powder or Crystals |
| Solubility in H <sub>2</sub> O , Colorless,Clear,100 mg/mL, H <sub>2</sub> O | pass                     | Pass                     |
| Infrared spectrum                                                            | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager