

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-07 22:42:25
Date of Next Testing: 2027-02-06 22:42:25
Product Name: **L-Alanine isopropyl ester hydrochloride**
CAS Number: 62062-65-1
Specifications & Purity: 98%
Lot #: B2302485
SKU #: **A113261**
Analysis: 162198
Storage Temperature: Store at 2-8°C, Argon charged

| Parameter | Limit Values | Result |
|--|--|--|
| Purity(HPLC) | 98-100 (%) | 98.06000 % |
| Carbon by Elemental Analysis | 42.4-43.2 (%) | 42.81 % |
| Specific Rotation [α] ₂₀ /D(c=2 MeOH) | 1-3 (°) | 2.77 ° |
| Oxygen by Elemental Analysis | 18.7-19.3 (%) | 19.09 % |
| Appearance (A113261) | White to Orange to Green powder to crystal | White to Orange to Green powder to crystal |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager