

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-07 18:27:41  
Date of Next Testing: 2027-02-06 18:27:41  
Product Name: **L-Alanine isopropyl ester hydrochloride**  
CAS Number: 62062-65-1  
Specifications & Purity: 98%  
Lot #: B2302668  
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] <sub>20</sub> /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