

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-24 08:59:15
 Date of Next Testing: 2027-02-23 08:59:15
 Product Name: **D-Alanine Methyl Ester Hydrochloride**
 CAS Number: 14316-06-4
 Specifications & Purity: $\geq 98\%$
 Lot #: B2321066
 SKU #: **A100771**
 Version: **0**
 Analysis #: **079676**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	97.5-102.5 (%)	100.90000 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in MeOH})$	-9--6 (°)	-6.86600 °
Appearance (A100771)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless,Clear,100 mg/mL, H ₂ O	pass	Pass



John Su
QA & QC Manager