

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-28 12:00:22

Date of Next Testing: 2025-09-27 12:00:22

Product Name: **3-Chloro-D-alanine methyl ester hydrochloride**

CAS Number: 112346-82-4

Specifications & Purity: $\geq 97\%$

Lot #: 12219356

SKU #: **S134256**

Version: **0**

Analysis #: **132008**

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

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } H_2O)$	1.5-7.5 (°)	7.39000 °
Purity(Titration by $AgNO_3$)	96.5-103.5 (%)	99.76000 %
Appearance (S134256)	white to yellow-brown powder or crystals	white to yellow-brown powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager