

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-07 10:33:45
 Date of Next Testing: 2026-02-06 10:33:45
 Product Name: **3-Chloro-D-alanine methyl ester hydrochloride**
 CAS Number: 112346-82-4
 Specifications & Purity: $\geq 97\%$
 Lot #: D2028119
 SKU #: **S134256**
 Version: **0**
 Analysis #: **183826**
 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 (°)	7.46300 °
Purity(Titration by AgNO ₃)	96.5-103.5 (%)	100.96000 %
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