

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-15 20:29:04
 Date of Next Testing: 2027-04-14 20:29:04
 Product Name: **4-Chloro-D-phenylalanine Hydrochloride**
 CAS Number: 147065-05-2
 Specifications & Purity: $\geq 98\%$
 Lot #: D2312668
 SKU #: **C153284**
 Version: **1**
 Analysis #: **202434**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in H}_2\text{O})}$	8-12 ($^\circ$)	11.99000 $^\circ$
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	100.86000 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(C153284)	White to Light yellow powder to crystal	White to Light yellow powder to crystal



John Su
QA & QC Manager