

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-26 08:49:47

Date of Next Testing: 2029-07-25 08:49:47

Product Name: **4-Chloro-DL-phenylalanine methyl ester hydrochloride**

CAS Number: 14173-40-1

Specifications & Purity: $\geq 98\%$

Lot #: G2511284

SKU #: **C117072**

Version: **2**

Analysis #: **528185**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25}^D(c=1 \text{ in H}_2\text{O})$	-1-1 ($^{\circ}$)	-0.25100 $^{\circ}$
Carbon by Elemental Analysis	46-49.2 (%)	47.51700 %
Nitrogen by Elemental Analysis	5.3-5.9 (%)	5.58000 %
Melting point	184-189 ($^{\circ}\text{C}$)	188.62000 $^{\circ}\text{C}$
Appearance (C117072)	White powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility, Colorless, clear to lightly hazy (50 mg/ml of H ₂ O)	pass	Pass



John Su
QA & QC Manager