

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-22 16:00:42

Date of Next Testing: 2029-10-21 16:00:42

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

CAS Number: 14173-40-1

Specifications & Purity: $\geq 98\%$

Lot #: C1827077

SKU #: **C117072**

Version: **2**

Analysis #: **590281**

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 (°)	0.00°
Melting point	184-189 (°C)	184.50000 °C
Carbon by Elemental Analysis	46-49.2 (%)	48.10 %
Nitrogen by Elemental Analysis	5.3-5.9 (%)	5.50 %
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