

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-17 11:52:33

Date of Next Testing: 2027-04-16 11:52:33

Product Name: N-[(S)-(+)-1-(Ethoxycarbonyl)-3-phenylpropyl]-L-alanine

CAS Number: 82717-96-2

Specifications & Purity: ≥98%(HPLC)

Lot #: D2311025

SKU #: E130003

Version: 0

Analysis #: 042214

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.78700 %
Specific Rotation [α] ₂₀ /D(c=1 in MeOH)	28-31 (°)	28.23100 °
Purity(Nonaqueous Titration)	97.5-102.5 (%)	98.61000 %
Nitrogen by Elemental Analysis	4.7-5.3 (%)	4.88000 %
Carbon by Elemental Analysis	62.9-66.1 (%)	64.26000 %
Melting point	148-154 (°C)	152.12000 °C
Appearance (E130003)	White powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in MeOH , clear, colorless solution,2.5%	pass	Pass



John Su
QA & QC Manager