

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-08 11:31:36
 Date of Next Testing: 2027-03-07 11:31:36
 Product Name: N-[(S)-(+)-1-(Ethoxycarbonyl)-3-phenylpropyl]-L-alanine
 CAS Number: 82717-96-2
 Specifications & Purity: ≥98%(HPLC)
 Lot #: G1520087
 SKU #: E130003
 Version: 0
 Analysis #: 195523
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.14000 %
Specific Rotation [α] ₂₀ /D(c=1 in MeOH)	28-31 (°)	28.40000 °
Purity(Nonaqueous Titration)	97.5-102.5 (%)	102.40000 %
Nitrogen by Elemental Analysis	4.7-5.3 (%)	4.75000 %
Carbon by Elemental Analysis	62.9-66.1 (%)	64.25000 %
Melting point	148-154 (°C)	152.30000 °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