

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-09-13 16:45:04
Date of Next Testing:	2026-09-13 16:45:04
Product Name:	L-Alanine Benzyl Ester Hydrochloride
CAS Number:	5557-83-5
Specifications & Purity:	≥98%(HPLC)
Lot #:	L22071113
SKU #	L133915
Version	1
Analysis #:	411236
Storage Temperature:	Store at -20°C

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=1 in 1mol/L HCl)	-11--9 (°)	-10.99°
Nitrogen by Elemental Analysis	6.2-6.8 (%)	6.20%
Melting point	136-140 (°C)	139.96000 °C
Carbon by Elemental Analysis	54.3-57.1 (%)	55.18%
Purity(NonaqueousTitration)	97.5-102.5 (%)	100.00%
Purity(HPLC area)	98-100 (%)	99.84%
Appearance (L133915)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless ,Clear ,50 mg/mL in pass H ₂ O		Pass



John Su
QA & QC Manager