

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-15 09:25:50
 Date of Next Testing: 2027-08-15 09:25:50
 Product Name: **L-Alanine Benzyl Ester Hydrochloride**
 CAS Number: 5557-83-5
 Specifications & Purity: $\geq 98\%$ (HPLC)
 Lot #: H2504440
 SKU #: **L133915**
 Version: **1**
 Analysis #: **456587**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 1\text{mol/L HCl})$	-11--9 (°)	-9.81700 °
Nitrogen by Elemental Analysis	6.2-6.8 (%)	6.46000 %
Carbon by Elemental Analysis	54.3-57.1 (%)	55.93000 %
Purity(Nonaqueous Titration)	97.5-102.5 (%)	97.60000 %
Purity(HPLC area)	98-100 (%)	99.55200 %
Melting point	136-143 (°C)	142.81000 °C
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