

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-14 17:28:42
 Date of Next Testing: 2025-12-13 17:28:42
 Product Name: **4-Nitro-L-phenylalanine Methyl Ester Hydrochloride**
 CAS Number: 17193-40-7
 Specifications & Purity: $\geq 98\%$ (HPLC)
 Lot #: L2209864
 SKU #: **N136110**
 Version: **0**
 Analysis #: **128612**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.47500 %
Purity(Nonaqueous Titration)	97.5-102.5 (%)	100.96000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	7-10 (°)	9.43500 °
Appearance (N136110)	White to Tan Powder or Crystals	White to Tan Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager