

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-13 16:11:42
 Date of Next Testing: 2027-05-12 16:11:42
 Product Name: **DL-Phenylalaninol**
 CAS Number: 16088-07-6
 Specifications & Purity: $\geq 98\%$ (GC)(T)
 Lot #: E23081120
 SKU #: **S160981**
 Version: **0**
 Analysis #: **187446**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	69-73 (°C)	70.94000 °C
Purity(NonaqueousTitration)	97.5-102.5 (%)	100.86000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$	-1-1 (°)	-0.91000 °
Purity(GC)	98-100 (%)	98.13400 %
Appearance (S160981)	White to Yellow Crystals to Powder and/or Chunks	White to Yellow Crystals to Powder and/or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager