

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-20 15:05:03
 Date of Next Testing: 2026-06-19 15:05:03
 Product Name: **4-Nitro-D-phenylalanine hydrate**
 CAS Number: 56613-61-7
 Specifications & Purity: $\geq 98\%$
 Lot #: H1814153
 SKU #: **N117090**
 Version: **0**
 Analysis #: **103016**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.47800 %
Specific Rotation $[\alpha]_{20/D(c=2 \text{ in } 1 \text{ M HCl})}$	-8--5 (°)	-7.60000 °
Water by Karl Fischer	0-10 (%)	5.30000 %
Purity(Nonaqueous Titration)(calcd.on dried substance)	97.5-102.5 (%)	99.31000 %
Appearance (N117090)	white to light grey powder	white to light grey powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
 QA & QC Manager