

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-06 09:40:06
Date of Next Testing: 2025-05-05 09:40:06
Product Name: **4-Nitro-L-phenylalanine Hydrate**
CAS Number: 949-99-5
Specifications & Purity: $\geq 98.0\%$ (HPLC)
Lot #: D2323493
SKU #: **N139482**
Analysis: **040347**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.62900%
Water by Karl Fischer	0-10 (%)	6.95 %
Purity(Nonaqueous Titration)	97.5-102.5 (%)	99.50 %
Specific Rotation $[\alpha]_{20/D}(c=1$ in 1mol/L HCl)	5-7 ($^{\circ}$)	7.00 $^{\circ}$
Appearance (N139482)	White to Pale Reddish-Yellow Crystal or Powder	White to Pale Reddish-Yellow Crystal or Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager