

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-31 17:25:21

Date of Next Testing: 2027-03-30 17:25:21

Product Name: **Pentafluoro-L-phenylalanine**

CAS Number: 34702-59-5

Specifications & Purity: 95%(HPLC)

Lot #: C23231050

SKU #: **P160678**

Analysis: **193083**

Parameter	Limit Values	Result
Purity(HPLC area)	95-100 (%)	97.52 %
Specific rotation $[\alpha]_{20/D(c=0.2 \text{ in H}_2\text{O})}$	18-23 (°)	20.47 °
Appearance(P160678)	White to Light yellow powder or crystal	White to Light Yellow Powder or Crystals
NMR Spectrum ^1H	Conforms to Structure	Conforms to Structure
Fluorine NMR Spectrum	Conforms to structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager