

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-02-16 14:49:59

Date of Next Testing: 2026-02-15 14:49:59

 Product Name: **D-Tryptophan**

CAS Number: 153-94-6

Specifications &amp; Purity: 98%

Lot #: D1824095

 SKU #: **T105704**
**Analysis: 074158**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.99000%
L-isomer	0-1 (%)	0.26%
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	29-33 (°)	29.04°
Nitrogen by Elemental Analysis	13.4-14.1 (%)	13.87%
Carbon by Elemental Analysis	63-67 (%)	64.53%
Appearance (T105704)	White to Off-White Powder	White to Off-White Powder
Solubility in 0.5 M HCl , Colorless to Dark Yellow Clear to Hazy,50mg/ml	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager