

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-11 13:50:33  
Date of Next Testing: 2026-11-11 13:50:33  
Product Name: **D-Kynurenine**  
CAS Number: 13441-51-5  
Specifications & Purity: Moligand™, ≥98%  
Lot #: B23021085  
SKU #: **S138168**  
Version: **0**  
Analysis #: **434164**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.80000 %
Specific Rotation [α] <sub>20</sub> /D(c=0.1 in H <sub>2</sub> O)	27-33 (°)	32.80°
Water by Karl Fischer	0-5 (%)	3.61 %
Appearance (S138168)	White or light yellow powder	White or light yellow powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 0.5 M HCl , Faint Yellow to Yellow-Green,50 mg/ml	pass	Pass



John Su  
QA & QC Manager