

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-28 10:09:20  
 Date of Next Testing: 2025-03-27 10:09:20  
 Product Name: **L-Kynurenine Hydrate**  
 CAS Number: 2922-83-0  
 Specifications & Purity: >98.0%(T)  
 Lot #: C2314221  
 SKU #: **S138616**  
**Analysis:** **195376**  
 Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.46300%
Purity(Nonaqueous Titration)	97.5-102.5 (%)	98.80%
Water by Karl Fischer	0-10 (%)	1.27%
Specific Rotation [α] <sub>20</sub> /D(c=0.4 in H <sub>2</sub> O)	-36~-28 (°)	-32.92°
Appearance (S138616)	Faint Yellow to Yellow Powder or crystals	Faint Yellow to Yellow Powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 0.5 M HCl , Yellow to Brown-Yellow, Clear, 50 mg/ml	pass	Pass



John Su  
QA & QC Manager