

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-11 09:01:54  
Date of Next Testing: 2026-10-11 09:01:54  
Product Name: **L-Kynurenine Hydrate**  
CAS Number: 2922-83-0  
Specifications & Purity:  $\geq 98\%$ (T)  
Lot #: L2228052  
SKU #: **S138616**  
Version: **0**  
Analysis #: **417329**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.80000 %
Purity(Nonaqueous Titration)	97.5-102.5 (%)	99.40 %
Water by Karl Fischer	0-10 (%)	3.50 %
Specific Rotation $[\alpha]_{20/D}(c=0.4 \text{ in H}_2\text{O})$	-36--28 (°)	-30.10 °
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