

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-06 17:04:47  
Date of Next Testing: 2025-01-05 17:04:47  
Product Name: **L-Kynurenine Hydrate**  
CAS Number: 2922-83-0  
Specifications & Purity: >98.0%(T)  
Lot #: L2228063  
SKU #: **S138616**  
**Analysis: 162013**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.89100%
Purity(Nonaqueous Titration)	97.5-102.5 (%)	99.50%
Water by Karl Fischer	0-10 (%)	3.52%
Specific Rotation [α] <sub>20</sub> /D(c=0.4 in H <sub>2</sub> O)	-36--30 (°)	-30.15°
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