

Certificate of Analysis

Date of Testing: 2023-01-07 17:38:50
Date of Next Testing: 2025-01-06 17:38:50
Product Name: **L-Kynurenine Hydrate**
CAS Number: 2922-83-0
Specifications & Purity: >98.0%(T)
Lot #: A2304144
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] ₂₀ /D(c=0.4 in H ₂ 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