

Certificate of Analysis

Date of Testing: 2023-12-21 09:48:32
Date of Next Testing: 2025-12-20 09:48:32
Product Name: **L-Kynurenine Hydrate**
CAS Number: 2922-83-0
Specifications & Purity: >98.0%(T)
Lot #: B2215401
SKU #: **S138616**
Analysis: **307124**
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	98.20300%
Purity(Nonaqueous Titration)	97.5-102.5 (%)	99.10%
Water by Karl Fischer	0-10 (%)	4.61%
Specific Rotation [α] ₂₀ /D(c=0.4 in H ₂ O)	-36--28 (°)	-30.22°
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