

Certificate of Analysis

Date of Testing: 2025-04-23 10:03:52

Date of Next Testing: 2027-04-23 10:03:52

Product Name: **L-Kynurenine Hydrate**

CAS Number: 2922-83-0

Specifications & Purity: $\geq 98\%$ (T)

Lot #: D2516569

SKU #: **S138616**

Version: **0**

Analysis #: **495254**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.20700 %
Purity(Nonaqueous Titration)	97.5-102.5 (%)	97.60 %
Water by Karl Fischer	0-10 (%)	9.49 %
Specific Rotation $[\alpha]_{20/D}(c=0.4 \text{ in H}_2\text{O})$	-36--28 (°)	-34.51 °
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