

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-07 14:31:58
 Date of Next Testing: 2025-08-06 14:31:58
 Product Name: **L-Kynurenine Hydrate**
 CAS Number: 2922-83-0
 Specifications & Purity: >98.0%(T)
 Lot #: H2301931
 SKU #: **S138616**
Analysis: **248793**
 Storage Temperature: Store at -20°C, Argon charged

| Parameter | Limit Values | Result |
|-------------------------------------------------------------------|-------------------------------------------|-------------------------------------------|
| Purity(HPLC) | 97-100 (%) | 98.42600% |
| Purity(Nonaqueous Titration) | 97.5-102.5 (%) | 99.87% |
| Water by Karl Fischer | 0-10 (%) | 4.50% |
| Specific Rotation [α] ₂₀ /D(c=0.4 in H ₂ O) | -36--28 (°) | -31.69° |
| Appearance (S138616) | Faint Yellow to Yellow Powder or crystals | Faint Yellow to Yellow Powder or crystals |
| Solubility in 0.5 M HCl , Yellow to Brown-Yellow, Clear, 50 mg/ml | pass | Pass |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager