

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-07-05 14:56:52

Date of Next Testing: 2028-07-04 14:56:52

Product Name: **L-Citrulline**

CAS Number: 372-75-8

Specifications & Purity: Moligand™, ≥97%

Lot #: G2403243

SKU #: **C109228**

Version: **2**

Analysis #: **345298**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.00000 %
Nitrogen by Elemental Analysis	23.5-24.4 (%)	23.70000 %
Specific Rotation [α] ₂₀ /D(c=8 in 6N HCl)	25-27 (°)	26.54000 °
Purity(Nonaqueous Titration)	98-100 (%)	98.88000 %
Carbon by Elemental Analysis	40.3-42 (%)	40.68000 %
Appearance (C109228)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , clear colorless ,50 mg/ml in water	pass	Pass



John Su
QA & QC Manager