

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-28 18:07:58

Date of Next Testing: 2027-03-27 18:07:58

Product Name: **L-Citrulline**

CAS Number: 372-75-8

Specifications & Purity: Moligand™, ≥97%

Lot #: C23211000

SKU #: **C109228**

Version: **2**

Analysis #: **093923**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	23.5-24.4 (%)	24.22000 %
Purity(Nonaqueous Titration)	98-100 (%)	99.20000 %
Carbon by Elemental Analysis	40.3-42 (%)	41.30000 %
Purity(HPLC)	98-100 (%)	99.67800 %
Specific Rotation [α] ₂₀ /D(c=8 in 6N HCl)	25-27 (°)	25.12000 °
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