

Certificate of Analysis

Date of Testing: 2022-06-20 13:01:22

Date of Next Testing: 2026-06-19 13:01:22

Product Name: **L-Citrulline**

CAS Number: 372-75-8

Specifications & Purity: $\geq 97\%$

Lot #: F2216275

SKU #: **C109228**

Version: **1**

Analysis #: **093923**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	23.5-24.4 (%)	24.22 %
Purity(Nonaqueous Titration)	98-100 (%)	99.20 %
Carbon by Elemental Analysis	40.3-42 (%)	41.30 %
Purity(HPLC)	98-100 (%)	99.67800 %
Specific Rotation $[\alpha]_{20/D}(c=8 \text{ in } 6N \text{ HCl})$	25-27 ($^{\circ}$)	25.12 $^{\circ}$
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