

## Certificate of Analysis

Date of Testing: 2024-08-22 16:17:28

Date of Next Testing: 2028-08-21 16:17:28

Product Name: **L-Citrulline**

CAS Number: 372-75-8

Specifications & Purity:  $\geq 97\%$

Lot #: H2412487

SKU #: **C109228**

Version: **1**

Analysis #: **345298**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.00000 %
Nitrogen by Elemental Analysis	23.5-24.4 (%)	23.70 %
Specific Rotation $[\alpha]_{20/D}(c=8 \text{ in } 6N \text{ HCl})$	25-27 ( $^{\circ}$ )	26.54 $^{\circ}$
Purity(Nonaqueous Titration)	98-100 (%)	98.88 %
Carbon by Elemental Analysis	40.3-42 (%)	40.68 %
Appearance (C109228)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , clear colorless ,50 mg/ml in water	pass	Pass



John Su  
QA & QC Manager