

Certificate of Analysis

Date of Testing: 2024-09-28 09:37:53

Date of Next Testing: 2028-09-27 09:37:53

Product Name: **L-Citrulline**

CAS Number: 372-75-8

Specifications & Purity: $\geq 97\%$

Lot #: 12425229

SKU #: **C109228**

Version: **1**

Analysis #: **405632**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	23.5-24.4 (%)	23.95 %
Carbon by Elemental Analysis	40.3-42 (%)	41.00 %
Purity(HPLC)	98-100 (%)	99.92300 %
Specific Rotation $[\alpha]_{20/D}(c=8 \text{ in } 6N \text{ HCl})$	25-27 ($^{\circ}$)	25.05 $^{\circ}$
Appearance (C109228)	White to Off-White Powder	White to Off-White Powder
Solubility in H ₂ O , clear colorless ,50 mg/ml in water	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager