

Certificate of Analysis

Date of Testing: 2023-02-12 12:53:03
Date of Next Testing: 2027-02-11 12:53:03
Product Name: **L-Citrulline**
CAS Number: 372-75-8
Specifications & Purity: $\geq 97\%$
Lot #: B2310248
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