

## **CERTIFICATE OF ANALYSIS**

Product Name	L-Citrulline	Batch Number	010056200901
Package	25.0kg per drum	Manufacture Date	Sept 01, 2020
CAS Number	372-75-8	Best Used Before	Aug 31, 2022

<b>Items</b>	<b>Specifications</b>	<b>Results</b>
Appearance	White crystal or crystalline powder	Conform
Specific rotation $[\alpha]_{D20}$	+24.5°~+26.8°	+25.5°
State of solution	≥98.0%	99.7%
Chloride	≤0.02%	Conforms
Ammonium (NH <sub>4</sub> )	≤0.02%	Conforms
Sulfate (SO <sub>4</sub> )	≤0.02%	Conforms
Iron	≤10ppm	Conforms
Heavy Metals	≤10ppm	Conforms
Lead	≤3ppm	Conforms
Arsenic ( as As <sub>2</sub> O <sub>3</sub> )	≤1ppm	Conforms
Mercury	≤0.1ppm	Conforms
Cadmium	≤1ppm	Conforms
Loss on drying	≤0.3%	0.11%
Residue on ignition	≤0.1%	0.03%
Assay	98.5%-101.0%	99.9%
pH	5.0-7.0	6.4

**Conclusion:** Qualified