



L- Citrulline

CAS No: 372-75-8

■ PRODUCT DESCRIPTION

L- Citrulline, a non-essential amino acid is important to the urea cycle and works alongside Arginine and Ornithine to help rid the body of harmful ammonia created by protein metabolism. It may be used to fuel the production of Arginine and produce Nitric Oxide (NO) which supports a healthy cardiovascular system, and plays a fundamental role in blood flow and vascular functions.

- Excellent Toxicity and Safety Profile
- Clinically tested
- Independently tested by 3rd party labs to verify the products quality and purity by using HPLC and TM analysis

■ PHYSICAL CHARACTERISTICS

- L-Citrulline API Purity: >99.8%
- Manufactured using a proprietary fermentation process.
- The process eliminates any risk of Transmissible Spongiform Encephalopathy (TSE) contamination.
- Soluble in water
- Stable in temperature and humidity
- Odorless

■ STORAGE CONDITION/PACKAGING

- Store at 15°C to 30°C in tight, light resistant containers
- Drum packaging

■ USES

Sufficient levels of citrulline are required to detoxify the liver from ammonia. Ammonia is a waste product of the body created by oxidation. People who monitor their health and wellness understand that too many toxins in the body are not healthy in the long term. The right amount of citrulline and proper vitamin levels help promote increased energy and maintain the immune system. Citrulline helps the body recover from fatigue and stress. Citrulline also maintains the acid/base balance in the body. There are no known side effects caused by Citrulline.

■ WHY SOURCE FROM GSC?

GSC delivers the highest quality products through trusted relationships with industry leading manufacturers. We speed your products to market while maintaining quality and cost effectiveness. GSC also holds a Manufacturing Process Patent for Sterilized and Non-Sterilized L-Citrulline production (pending).

To request a quote or sample,
please contact Alan Whitehead:
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FORMULA	C ₆ H ₁₃ N ₃ O ₃
DESCRIPTION	White crystalline powder
ODOR	Odorless
GRADE	Pharmaceutical grade
CATEGORY	Raw material

SPECIFICATION

ITEMS	STANDARD
Identification	HPLC
Transmittance	≥98.0%
PH	5.5~7.0 (10% Water Solution)
Heavy Metals	≤10 ppm
Arsenic (As)	≤1.0 ppm
Ammonium	≤200 ppm
Loss of Drying	≤0.30 ppm
Residue of Ignition	≤0.1 ppm
Chloride	≤200 ppm
Sulfate	≤200 ppm
Iron	≤10 ppm
Assay (Calculated on dried)	98.5~101.0%
Ornithine	≤0.50%
Arginine	≤0.50%
Unknown Individual Impurity	≤0.1 ppm
Total Impurities	≤1.0 ppm
Total Count of Aerobic	≤1000 CFU/g
Fungi an Yeast	≤100 CFU/g
Escherichia Coli	Absent

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