

TECHNICAL DATA SHEET

L-Citrulline

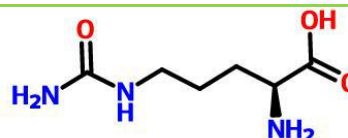
AJI92/USP32

Chemical Properties

CAS No: 372-75-8

Chemical Formula: C₆H₁₃N₃O₃

Molecular Weight: 175.19



Description

L-citrulline is a dietary supplement that increases levels of citrulline in the body. Citrulline, an amino acid, occurs naturally and aids in the body's urea cycle, the process that clears ammonia – a byproduct of normal metabolism – out of one's system.

Solubility

It is soluble in water, insoluble in ethanol and ether.

Specification

Item	Specification	Test Method
Appearance	White crystals or crystalline powder, slightly sweet taste.	Visual
Identification	Positive	AJI92/USP32
Transmittance	Min 98%	AJI92
Clarity and color	Clear, colorless	USP32
Assay	98.5%-101.5%	USP32
	98.5~101.0%	AJI92
pH	5.0-7.0	AJI92/USP32
Specific rotation	+24.5°~+26.8°	AJI92/USP32
Loss on drying	Max 0.30%	AJI92/USP32
Residue on ignition	Max 0.10%	AJI92/USP32
Iron(as Fe)	Max 10ppm	AJI92/USP32
Chloride(as Cl)	Max 0.02%	AJI92/USP32
Sulfate(as SO ₄)	Max 0.02%	AJI92/USP32
Ammonium(NH ₄)	Max 0.02%	AJI92
Heavy metals(as Pb)	Max 10ppm	AJI92/USP32
Arsenic(AS ₂ O ₃)	Max 1ppm	AJI92/USP32
Pb	Max 1ppm	GB 5009.12
Cd	Max 0.1ppm	GB 5009.15

Hg	Max 0.1ppm	GB 5009.17
Total Plate Count	Max 1,000cfu/g	AJI92/USP32
Mold & Yeast	Max 100cfu/g	AJI92/USP32
Coliforms	Max 100cfu/g	AJI92/USP32
<i>E. Coli</i>	Negative/g	AJI92/USP32
<i>Salmonella</i>	Negative/10g	AJI92/USP32
<i>Staphylococcus Aureus</i>	Negative	AJI92/USP32

Ingredients

Pure L-Citrulline.

Labeling

In the United States and the European Union: L-Citrulline

Applications

L-Citrulline can improve immunity, balance blood glucose, and improve sexual life function. It is used as pharmaceutical raw material or for food supplement.

Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

Handling recommendations

Keep away from heat. Keep away from sources of ignition. Do not ingest. Do not breathe dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

Packaging, Storage & Shelf Life

Package	25kg/drum; or according to customers' requirements.
Storage	Store in a well-closed container away from moisture and direct sunlight.
Shelf Life	2 years if sealed and stored properly.