

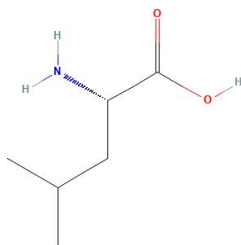


Technical Data Sheet

Tianjin Jincheng Biotechnology Co., Ltd.

Product Name: L-Leucine (Granule)

Chemical Structure:



Molecular Formula: C₆H₁₃NO₂

Molecular Weight: 131.17

CAS No.: 61-90-5

Specifications

Item	Limit	Analysis method
Description	White to off-white granules	Visual
Assay (L-leucine)	Not less than 95%	HPLC
Binder content (HPMC)	Not more than 5%	HPLC
Bulk density	Not less than 0.50 g/mL	Density meter
Tapped density	Not less than 0.55 g/mL	Tapped density tester
Heavy metals (as Pb)	Not more than 10 ppm	USP <231>
Lead (Pb)	Not more than 3 ppm	ICP-MS
Cadmium (Cd)	Not more than 1 ppm	ICP-MS
Arsenic (As)	Not more than 1 ppm	ICP-MS
Mercury (Hg)	Not more than 0.1 ppm	ICP-MS
Loss on drying	Not more than 1.0%	USP <731>
Residue on ignition	Not more than 0.40%	USP <281>
Total plate count	Not more than 1,000 cfu/g	USP <61>
Yeasts and moulds	Not more than 100 cfu/g	USP <61>
E. coli	Negative	USP <62>
Salmonella	Negative in 25 g	USP <62>

Recommended shelf life: 2 years

External packing: Fibre drum, 25 kg net

Inner packing: Double-layer PE bag

Storage: Preserve in tight containers, protected from light, in a cool and dry place.

Note: Analytical methods refer to current USP general chapters and the manufacturer’s in-house standard; this document is for reference only and the quality of each batch is subject to the COA supplied with the goods.

Preparation Date: Sep. 21, 2026 | Version: 1.0 | Prepared by:

Product code: JC-LEU-001 | Product name: L-Leucine (Granule)