

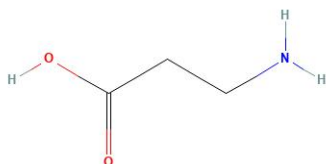


Technical Data Sheet

Tianjin Jincheng Biotechnology Co., Ltd.

Product Name: β -Alanine

Chemical Structure:



Molecular Formula: C₃H₇NO₂

Molecular Weight: 89.09

CAS No.: 107-95-9

Specifications

Item	Limit	Analysis method
Appearance	White crystals or crystalline powder	Visual
Assay	98.0% - 101.0%	Titration (perchloric acid)
pH	6.5 - 7.5	pH meter
Transmittance	Not less than 95.0%	Spectrophotometry
Loss on drying	Not more than 0.20%	Gravimetric method
Residue on ignition	Not more than 0.20%	Gravimetric method
Chloride	Not more than 0.039%	USP <221>
Sulfate	Not more than 0.048%	USP <221>
Heavy metals (as Pb)	Not more than 10 ppm	ICP-MS
Iron	Not more than 30 ppm	USP <241>
Ammonium	Not more than 0.02%	Colorimetric method
Arsenic	Not more than 1 mg/kg	ICP-MS
Other amino acids	Not detectable	TLC
Lead	Not more than 1 mg/kg	ICP-MS
Mercury	Not more than 0.1 mg/kg	ICP-MS
Cadmium	Not more than 0.5 mg/kg	ICP-MS
Total plate count	Not more than 1,000 cfu/g	USP <61>
Mould and yeast	Not more than 100 cfu/g	USP <61>
E. coli	Less than 10 cfu/g	USP <62>
Salmonella	Negative in 25 g	USP <62>
Staphylococcus aureus	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 standard (AJI 97); 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-BAL-001