



Technical Data Sheet of β -Alanine

Date: 2025.01.02

1. Product Information

Product name: β -Alanine

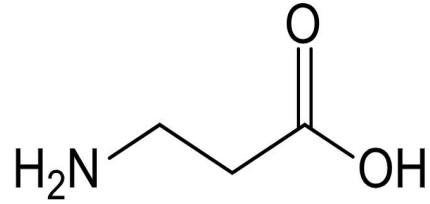
CAS number: 107-95-9

Molecular formula: $C_3H_7NO_2$

Formula weight: 89.09

Raw material source: Non animal

Reference standard: AJI97



2. Product Specification

Item	Standard
Appearance	white crystallization or crystalline powder
Assay, %	98.0~101.0
pH	6.5~7.5
Transmittance, %	≥ 95.0
Loss on drying, %	≤ 0.20
Residue on ignition, %	≤ 0.20
Chloride (Cl), %	≤ 0.039
Sulfate (SO ₄), %	≤ 0.048
Ammonium (NH ₄), %	≤ 0.02
Other amino acids	Negative
Heavy metals (Pb), mg/kg	≤ 10
Iron (Fe), mg/kg	≤ 30
Lead (Pb), mg/kg	≤ 1
Arsenic (As), mg/kg	≤ 1
Mercury (Hg), mg/kg	≤ 0.1
Cadmium (Cd), mg/kg	≤ 0.5



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Total plate count, CFU/g	≤ 1000
Yeast & mold, CFU/g	≤ 100
E.coli, CFU/g	< 10
Salmonella/25g	Negative
Staphylococcus aureus/25g	Negative

3.Solubility

β -alanine is easily soluble in water, but insoluble in ethanol, acetone or ether.

4.Package

25 kg/box.

5.Condition of storage

Store in a sealed manner and prevent from sunlight, rain, and moisture. It is strictly forbidden to store together with toxic and harmful substances.

6.Shelf life

The shelf life of the product is 24 months under the condition that the storage and transportation conditions are met, the packaging is complete, and the product is not opened.