

TECHNICAL DATA SHEET

L-Aspartic Acid

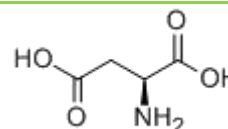
AJI92

Chemical Properties

Molecular Formula: C₄H₇NO₄

Molecular Weight: 133.10

CAS Number: 56-84-8



Description

L-Aspartic acid is a non-essential amino acid. It is obtained by purification of coarse crystal. L-Aspartic acid is soluble in dilute acid and sodium hydroxide solution, insoluble in ethanol and ether.

Solubility

L-Aspartic acid is soluble in dilute acid and sodium hydroxide solution, insoluble in ethanol and ether.

Specification

Item	Specification	Test Method
Appearance	White Crystal or Crystalline Powder	Visual
Identification		
IR	Concordant with the reference spectrum	AJI92
Assay	99.0%~100.5%	AJI92
pH	2.5~3.5	AJI92
Loss on drying	Max 0.20%	AJI92
Residue on ignition	Max 0.10%	AJI92
State of solution	Min 98.0%	AJI92
Specific rotation	+24.8°~ +25.8°	AJI92
Other amino acids	Not detectable	AJI92
Ammonium	Max 0.02%	AJI92
Sulfate	Max 0.02%	AJI92
Chloride	Max 0.02%	AJI92
Heavy metals	Max 10ppm	AJI92
Iron	Max 10ppm	AJI92
Arsenic	Max 1ppm	AJI92
Total Plate Count	Max 1,000cfu/g	AJI92
Mold & Yeast	Max 100cfu/g	AJI92
<i>E. Coli</i>	Negative	AJI92

Salmonella

Negative

AJI92

Ingredients

Pure L-Aspartic acid.

Applications

1, L- Aspartic acid is used as an electrolyte supplement for amino acid infusion, potassium, calcium and other inorganic ion supplements.

2, L- Aspartic acid can be used for ammonia antidote, liver function promoter, fatigue recovery agent and other medicines.

3, L- Aspartic acid is used for synthetic sweeteners.

4, L- Aspartic acid can be used as a nutritional supplement and seasoning flavouring agent. Add in all kinds of cool drink.

5, It can also be used for biochemical studies, fatigue recovery agent, ammonia antidote and clinical medicine.

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

Minimize dust generation and accumulation. Avoid breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse.

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.