

TECHNICAL DATA SHEET

DL-Methionine

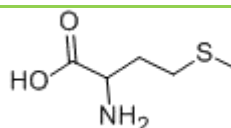
EP5.0

Chemical Properties

Molecular Formula: C₅H₁₁NO₂S

Molecular Weight: 149.21

CAS Number: 59-51-8



Description

DL-Methionine is a urinary acidifier used to treat and prevent certain types of urinary stones. It can help prevent urinary tract infections and bladder stones.

Solubility

1g DL-Methionine is soluble in 30ml of water.

Specification

Item	Specification	Test Method
Appearance	White crystalline platelets or powder	Visual
Assay	99.0~101.0%	EP5.0
pH(5% in water)	5.4~6.1	EP5.0
Clarity of solution	Clear, colorless	EP5.0
Transmittance(2.5%, 430ml)	Min 98.0%	EP5.0
Loss on drying	Max 0.5%	EP5.0
Residue On Ignition	Max 0.1%	EP5.0
Sulfate	Max 0.02%	EP5.0
Chloride	Max 0.02%	EP5.0
Heavy metals(Pb)	Max 10ppm	EP5.0
Total Plate Count	Max 1000cfu/g	EP5.0
Yeast & Mold	Max 100cfu/g	EP5.0
<i>E. Coli</i>	Negative	EP5.0
<i>Salmonella</i>	Negative	EP5.0

Ingredients

Pure DL-Methionine.

Labeling

In the United States and the European Union: DL-Methionine

Applications

It is mainly used in nutrition supplement of food industry. Secondly, it is used as amino acid medicine, infusion nutrition agent, liver protection preparation, liver cirrhosis treatment, drug poisoning and so on.

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

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

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.