

## TECHNICAL DATA SHEET

# L-Methionine

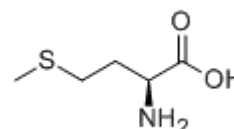
## USP32

### Chemical Properties

Chemical Formula: C<sub>5</sub>H<sub>11</sub>NO<sub>2</sub>S

Molecular Weight: 149.21

CAS Number: 63-68-3



### Description

L-Methionine is a sulfur-containing essential L-amino acid that is important in many body functions.

### Solubility

It is soluble in water.

### Specification

Item	Specification	Test Method
Appearance	White crystalline or crystalline powder	Visual
Identification	Meets the requirements of USP32	USP32
Assay	98.5%~101.5%	USP32
pH	5.6~6.1	USP32
Loss on drying	Max 0.3%	USP32
Residue On Ignition	Max 0.4%	USP32
Specific Rotation [α] D <sup>25</sup>	+22.4°~ +24.7°	USP32
Organic volatile impurities	Meets the requirements of USP32	USP32
Chromatographic purity	Max 0.5% of any individual impurity is found; Max 2.0% of total impurities is found.	USP32
Sulfate	Max 0.03%	USP32
Chloride	Max 0.05%	USP32
Heavy metals(Pb)	Max 15ppm	USP32
Iron	Max 30ppm	USP32
Total Plate Count	Max 1000cfu/g	USP32
Yeast & Mold	Max 100cfu/g	USP32
<i>E. Coli</i>	Negative	USP32
<i>Salmonella</i>	Negative	USP32

## Ingredients

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Pure L-Methionine.

## Labeling

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

## Applications

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L-Methionine is used as pharmaceutical raw material or for food supplement. In pharmaceutical preparations, L-Methionine is used in hepatic therapeutics and drugs for preventing hepatic impairments. L-Methionine is used as a nutritive element in infant milk preparations, health foods and as a component of sports supplements. Supplementing the diet with L-Methionine is not recommended unless directed by a physician.

## Safety

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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

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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

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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.