

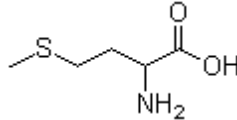
## Specification of DL-Methionine

CAS No.: 59-51-8

Molecular Weight: 149.21

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

Molecular Structure:



### Property:

**DL-Methionine** is white or light grey crystal or powder with special smell. The density is 0.6g/cm<sup>3</sup> and the melting point is 281°C. It can be soluble in water, low-concentration acid & alkali solution but ether.

### Specifications:

ITEM	INDEX
DL-Methionine (%)	99.0min
Loss On Drying (%)	0.3max
Sodium Sulfate (Na <sub>2</sub> SO <sub>4</sub> )(%)	0.5max
Sodium Chloride (NaCl) (%)	0.2max
Heavy Metal, Pb (mg/kg)	20.0max
Arsenic (mg/kg)	2.0max
Bulk Density (g/cm <sup>3</sup> )	0.55~0.6

### Usage:

**Feed Grade DL-Methionine** is used in all animal species as chicken and swine, and particularly used in monogastrics. It ensures the adequate supply of sulfur amino acids. Additionally, diets for piglets and growing pigs can show a considerable deficiency in methionine, especially when formulated to achieve low nitrogen excretion for ecological reasons. Such a deficiency can be conveniently compensated by using Feed Grade DL-Methionine.

### Package and Storage:

**DL-Methionine** is packed in 25kg kraft paper bag. The product should be preserved in a cool and dry place.

### Shelf Life:

5 years in original package.

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