

## L-Met 100 Feed Grade

### Description

Methionine is an essential amino acid and, together with cysteine, the only sulfur-containing proteinogenic amino acids. Methionine is the first limiting amino acid in poultry diets together with lysine, and the second to fourth limiting in pigs. As an important donor of methyl groups in the metabolism, methionine is vital for optimum protein synthesis in growing animals and for feather development and laying performance.

BestAmino™ L-Met100 is the first pure L-methionine available for animal nutrition. BestAmino™ L-Met100 is produced by fermentation and fully available in its bioactive L-form with a purity of L-methionine of minimum 99 %.

### Appearance

White and yellowish crystalline

### EC code

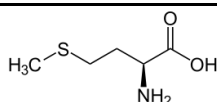
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### Regulation

Regulation (EU) 2014/852

### Chemical Description

#### Chemical structure



#### Molecular formula

C<sub>5</sub>H<sub>11</sub>NO<sub>2</sub>S

#### Molecular weight

149.21

#### Isomer

L (Laevo-rotatory)

#### CAS number

63-68-3

### Commercial Guarantee

L-methionine, %	minimum	99	HPLC, AOAC 999.13
Moisture, %	maximum	0.5	105°C for 4 hours
Crude protein, %	minimum	58.28	(N x 6.25)

### Nutritional Recommendations

Energy	Kcal/kg	MJ/kg
ME poultry	4,889	20.45
DE swine	5,372	22.47
ME swine	5,157	21.57
NE swine	3,814	15.95

### Packaging

25kg 2 ply Kraft Paper bag with 1 ply P.E sheet  
850kg p.p. woven bag (P.E laminated)

### Storage

Store in dry conditions and fresh place in a sealed or closed container that is to be protected from water, sunlight and heat.  
Avoid direct contact with floor and any source of combustion.

### Stability

Product is stable for at least 2 years if stored under recommended conditions.

Kraft paper bag unopened: product is stable for at least 2 years if stored under recommended conditions.

The batch number and the production date are printed on the bags.

### Additional Information | Does not constitute any commercial guarantee

#### General Specifications

pH	5 to 6
Bulk density, kg/l	0.55 to 0.70
Melting point / Decomposition temperature	270~290°C
Solubility in water	5.66g/100g water at 25°C

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