



## L-Met100 Feed Grade

### Description

Methionine is an essential amino acid and, together with Cystine, the only sulphur-containing proteinogenic amino acid.

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.

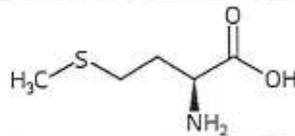
BestAmino™ L-Met100 is the first pure L-Methionine available for animal nutrition. BestAmino™ L-Met100 is produced by fermentation and fully available in its bioactive L-form with a content of L-Methionine of min. 99 %.

### Appearance

White free-flowing powder with slight sulfurous smell

### Chemical Description

Chemical structure



Molecular formula	C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> S
Molecular weight	149.21
Isomer	L (Laevo-rotatory)
CAS Number	63-68-3

### Commercial Guarantee

L-Methionine, %	99	Minimum	HPLC, AOAC 999.13
Moisture, %	0.5	Maximum	105°C for 4 hours

### Nutritional Values

Dry matter, %	99.5	Minimum	105°C for 4 hours
Digestibility, %	100		
Crude Protein, %	58.4	Minimum	Reg. (EC) No. 152/2009 (N x 6.25)
ME poultry, MJ/kg	21.0		
ME pigs, MJ/kg	22.0		

### Packaging

25 kg net, 3-ply Kraft paper bag with 1-ply PE inner tube  
700 kg net, PP woven bag with PE lamination

### 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.

### 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.

### Regulatory Status

L-Methionine comes under Regulation (EC) 1831/2003 referring to additives intended for animal feed (Official Journal of the EU n° L 268 of 18/10/2003), category "nutritional additives", additive group: "amino acids, their salts and analogues" and can be used for all animal species.

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

#### General Specifications

pH	5 to 6	solution at 10 %
Bulk density, g/ml	0.55 to 0.70	
Melting point / Decomposition temperature	284°C	
Solubility in water	5.66g/100g water	at 25°C

## L-Methionine 99% Feed Grade

### Description

Methionine can exist in either the L or D form, called optical isomers which are mirror images of each other.

Chemically, there is no difference between the L and D forms, but enzymes are specific to the three-dimensional configurations.

Only the L isomer is incorporated directly into naturally occurring proteins.

CJ L-Methionine delivers only the L isomer.

### Chemical Specification

			Method
L-Methionine, %	min.	99	EP
Moisture, %	max.	0.5	105°C for 3 hrs
Ash, %	max.	0.1	550°C for 3~4hrs

### Nutritional profile

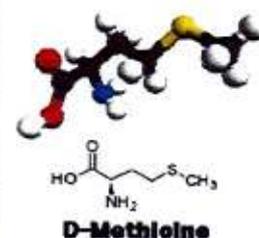
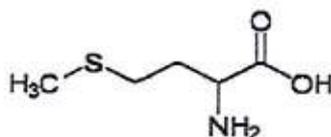
L-Methionine assay, %		99
Digestibility, %		100
Crude Protein, %	min.	58.1

### Physical Characteristics

Appearance	Pearl white crystalline powder	
Angle of repose	35°	
L-Isomer, %	100	
D-Isomer, %	0	
Total, %	100	

### Chemical Characteristics

Formula	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> S
Molecular weight	149.21 g/mol



**BIO-ACTIVE FORM!**

### Storage

Store in cool and dry condition in sealed original package that must be protected from water, direct sunlight and heat. (5-30°C, 20-75% rel. humidity)  
Avoid direct contact with floor and any source of combustion.

### Stability

Product is stable for 2 years if stored under the recommended storage conditions.  
The production batch number and date are on the bags.

### Packaging

25 kg 2-ply paper bag with 1-ply PE inner  
BB(Cone bag) 500kg/850kg (with 1 ply PE inner)

CAS Number : 63-68-3

## Methionine just got better with CJ L-Methionine!

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