

## L-Tryptophan Feed Grade

### Description

L-Tryptophan is the fourth limiting amino acid after lysine, threonine and methionine in pigs. In addition to its effect on protein synthesis, L-Tryptophan plays a specific role in other physiological processes. For example, being a precursor of niacin or of the neurotransmitter serotonin, which is involved in feed intake regulation.

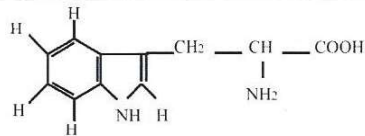
BestAmino™ L-Tryptophan is a high quality feed grade amino acid produced by bacterial fermentation with L-Tryptophan activity of min. 98 %.

### Appearance

Off-white free flowing powder

### Chemical Description

Chemical structure



Molecular formula	C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>
Molecular weight	204.23
Isomer	L (Laevo-rotatory)
CAS Number	73-22-3

### Commercial Guarantee

L-Tryptophan, %	98	Minimum	HPLC analysis
Moisture, %	1	Maximum	105°C for 4 hours
Purity, %	99	Minimum	L-Tryptophan on dry matter

### Nutritional Values

Dry matter, %	99.0	Minimum	105°C for 4 hours
Digestibility, %	100		INRA - 2002
Crude Protein, %	84.0	Minimum	Dumas Method (N % x 6.25). AOAC 968.06
ME poultry, MJ/kg	24.48		
DE pigs, MJ/kg	27.24		
ME pigs, MJ/kg	25.61		
NE pigs, MJ/kg	19.79		

### Packaging

10 kg net, 3-ply Kraft paper bag with 1-ply PE inner tube

### 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-Tryptophan 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	4.5 to 7	solution at 10%
Bulk density, g/ml	0.35 to 0.5	
Melting point / Decomposition temperature	289°C	
Solubility in water	1.06g/100g water	at 20°C