



MASTERCHEM LIMITED

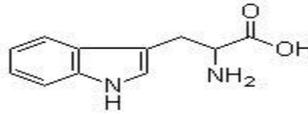
L-Tryptophan-Feed Grade

CAS NO.: 54-12-6

Molecular Weight: 204.23

Molecular Formula: C₁₁H₁₂N₂O₂

Molecular Structure:



Properties:

L-Tryptophan is one of the 20 standard amino acids, as well as an essential amino acid in the human diet. It is encoded in the standard genetic code as the codon UGG. Only the L-Stereoisomer of **L-Tryptophan** is used in structural or enzyme proteins, but the D-Stereoisomer is occasionally found in naturally produced peptides (for example, the marine venom peptide contryphan). The distinguishing structural characteristic of Tryptophan is that it contains an indole functional group.

Specification:

Item	Index
Description	White to yellowish crystalline powder
Identification	Conform
Loss on drying	≤ 1.0%
Residue on ignition	≤ 0.5%
Bulk density	Not less than 0.24g/ml
Assay (chemical testing method and based on anhydrous substances)	≥ 98%

Usage:

L-Tryptophan is one of essential amino acids and the fourth limiting amino acid in animal diets, which means **L-Tryptophan** could not be synthesized by the body, in addition, dietary supply through feed materials is usually insufficient. The deficiency of **L-Tryptophan** was generally characterized as decreased feed intake and efficiency, and slow growth rate. Considering **L-Tryptophan** playing a key role in growth performance and feed efficiency, **L-Tryptophan** is recommended to add **L-Tryptophan** in diet to achieve the optimal amino acid balance and fulfill the digestible **L-Tryptophan** requirement of animals, especially piglets, sows and poultry etc.

Packing and Storage:

L-Tryptophan is packed in 25kg/bag. **L-Tryptophan** should be stored in cool and air place.

Shelf life:

2 years in original packages

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