



L-Isoleucine Feed Grade

Description

Isoleucine is an essential amino acid which belongs to the branched-chain amino acid (BCAA) group. BCAAs are generally considered as the next limiting amino acid after lysine, threonine, methionine and tryptophan in monogastric diets. Also, it optimizes growth performance of animals by balancing BCAA ratio in their feed. Supplementation of Isoleucine reduces soybean meal, the most expensive vegetable protein source in feed, which eventually can lower both crude protein content and cost of the feed. Balancing BCAA ratio can promote muscle development of animals and enhance feed digestibility. BestAmino™ L-Isoleucine is a highly purified amino acid produced by fermentation with at least 90% of content.

Appearance

White to yellowish crystalline powder

EC code

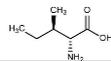
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Regulation Number

Regulation (EU) 2020/1397

Chemical Description

Chemical structure



Molecular formula

C₆H₁₃NO₂

Molecular weight

131.18

Isomer

L (Laevo-rotatory)

CAS number

73-32-5

Commercial Guarantee

Isoleucine, %	minimum	90.0	HPLC
Moisture, %	maximum	2.0	105°C for 4 hours
Ash, %	maximum	1	
Crude protein, %	minimum	60.0	(N x 6.25)

Nutritional Recommendations

Energy	Kcal/kg	MJ/kg	Kcal/lb
ME poultry	5,728	24.0	2,604
ME swine	6,043	26.9	2,747
NE swine	4,469	18.7	2,031

Packaging

20 kg paper-plastic lamination bag with 1-ply P.E. liner
650kg P.P. woven bag with P.E. 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.

Additional Information | Does not constitute any commercial guarantee

General Specifications

pH	4.5 to 7.0
Bulk Density, kg/l	0.60 ~ 0.85
Melting point / Decomposition temperature	270~290°C
Solubility in water	3.0~3.5g/100g water

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