



L-Lysine HCl Feed Grade

Description

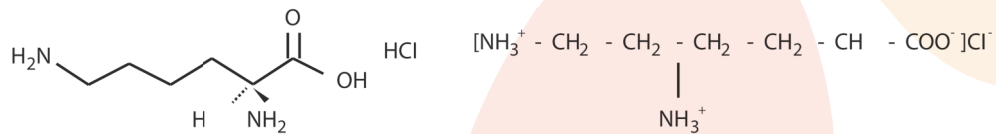
L-Lysine is an essential amino acid for monogastric animals. It cannot be synthesized by the organism and needs to be provided with the feed. Lysine is the first limiting amino acid in most cereal/soy based diets in pigs. Therefore, supplementation of free L-Lysine is required to fully tap the animals' growth potential. BestAmino™ L-Lysine HCl is a high quality feed grade amino acid produced by microbial fermentation with *Corynebacterium glutamicum* with a purity of min. 99 % and L-Lysine activity of min. 79 %.

Appearance

A pale brownish free flowing crystalline powder.

Chemical Description

Chemical structure



Molecular formula	$C_6H_{14}N_2O_2 \cdot HCl$
Molecular weight	182.65 g/mol
Isomer	L (Laevo-rotatory)
CAS Number	657-27-2

Commercial Guarantee

L-Lysine, %	79	Minimum	HPLC, AOAC 999.13
Moisture, %	1	Maximum	105°C for 4 hours
Purity, %	99	Minimum	L-Lysine HCl on dry matter

Nutritional Values

Dry matter, %	99.0	Minimum	105°C for 4 hours
Digestibility, %	100		INRA - 2002
Crude Protein, %	94.6	Minimum	Dumas Method (N % x 6.25). AOAC 968.06
ME poultry, MJ/kg	17.24		
DE pigs, MJ/kg	20.33		
ME pigs, MJ/kg	18.45		
NE pigs, MJ/kg	14.37		

Packaging

25 kg net, 3-ply Kraft paper bag with 1-ply PE inner tube
500, 800, 825 kg net, PP woven bag with PE lamination
18,000 ~ 20,000 kg, Bulk container – PE Bulk liner

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

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.
PP woven 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.

Regulatory Status

L-Lysine HCl 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 6.5	solution at 10%
Bulk density, g/ml	0.67 to 0.75	
Melting point / Decomposition temperature	260 ~ 263°C	
Solubility in water	64.2/100g water	at 30°C