



L-Lysine 70 Sulphate Feed Grade

Description

BestAmino™ L-Lysine 70 Sulphate, the sulphate salt of lysine, is produced by microbial fermentation with *Corynebacterium glutamicum* from natural raw materials. In addition to L-Lysine, it contains essential nutrients from the fermentation broth such as other essential and non-essential amino acids, carbohydrates, trace elements or vitamins. These additional nutrients may lead to a significant cost benefit in practical feed formulation.

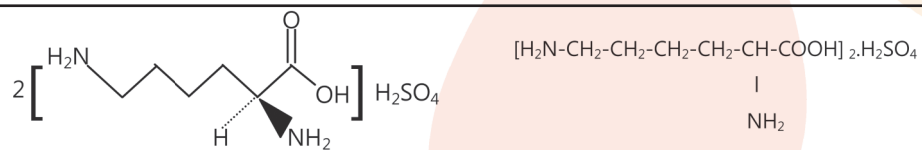
BestAmino™ L-Lysine 70 Sulphate is a high quality feed grade amino acid produced by microbial fermentation with L-Lysine activity of min. 55 %. Its availability depends on the region. Please contact our local representative for more information.

Appearance

Pale brownish, free flowing fine-particle granulate

Chemical Description

Chemical structure



Molecular formula	C ₁₂ H ₂₈ N ₄ O ₄ · H ₂ SO ₄
Molecular weight	390.2 g/mol
Isomer	L (Laevo-rotatory)
CAS Number	60343-69-3

Commercial Guarantee

L-Lysine, %	55	Minimum	HPLC, AOAC 999.13
Moisture, %	4	Maximum	105°C for 4 hours

Nutritional Values¹⁾

Dry matter, %	96.0
Crude Protein ²⁾ , %	82.0
Phosphorus, %	0.18
Sodium, %	0.31
Digestibility, %	100
DE poultry, MJ/kg	19.17
ME poultry, MJ/kg	17.27
DE pigs, MJ/kg	18.90
ME pigs, MJ/kg	17.91
NE pigs, MJ/kg	13.44

¹⁾ Average analytical values ²⁾ Nitrogen analysis acc. to DUMAS (CP=N*6.25)

Additional Protein-bound Amino Acids¹⁾

L-Lysine, %	0.64
L-Methionine, %	0.12
L-Cystine, %	0.09
L-Met + L-Cys, %	0.21
L-Threonine, %	0.32
L-Tryptophan, %	0.13
L-Arginine, %	0.58
L-Isoleucine, %	0.33
L-Leucine, %	0.44
L-Valine, %	0.42

¹⁾ Average analytical values

Packaging

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

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

BestAmino™ L-Lysine 70 Sulphate comes under Regulation (EC) 1831/2003 referring to additives intended for animal feed (Official Journal of the EU n° L268 of 18/10/2003, category "nutritional additives", additives group: "amino acids, their salts and analogues" and can be used for all animal species. Please refer to the Material Safety Data Sheet of the product for safety information.

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.

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.

Additional Information | Does not constitute any commercial guarantee

General Specifications

Bulk density, g/ml	0.65 – 0.85 g/ml
Solubility in water	36g/100g water at 30°C