L-Arginine Feed Grade

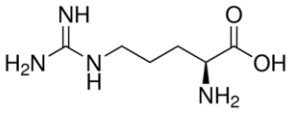
Description
L-Arginine is produced by microbial fermentation with *Corynebacterium glutamicum* from natural raw materials.
In addition, L-Arginine is a conditionally essential amino acid for mammals. However, L-Arginine is an essential amino acid for poultry; unlike mammals (e.g.,swine), poultries lack urea cycles to biosynthesize L-Arginine by themselves.
Therefore, they need to obtain L-Arginine through diet.
L-Arginine is high quality amino acid produced by microbial fermentation with arginine activity of min. 98.5%.

Appearance
A white or almost white, crystalline powder or colorless crystals

EC code
3c362

Regulation
Regulation (EU) 2018/129
Regulation (EU) 2019/12

Chemical Description

Chemical structure	
Molecular formula	$C_6H_{14}N_4O_2$
Molecular weight	174.20 g/mol
Isomer	L (Laevo-rotatory)
CAS number	74-79-3

Commercial Guarantee

L-Arginine, %	Minimum	98.5	HPLC analysis
Moisture, %	Maximum	0.5	105°C for 4 hours
Purity, %	Minimum	99.5	L-Arginine on dry matter
Crude protein, %	Average	193.1	(N x 6.25)

Nutritional Recommendations

Energy	**Kcal/kg**	**MJ/kg**
ME poultry	4,642	19.42
DE swine	5,101	21.34
ME swine	4,897	20.49
NE swine	3,622	15.15

Packaging
25kg P.P woven Kraft bag with 1 Ply PE inner
800kg P.P woven bag with P.E. laminated

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
3 years when stored in the above mentioned condition

Additional Information | Does not constitute any commercial guarantee

General Specifications

pH	10.5 to 12.0	solution at 10 %
Bulk density, g/ml	0.55 to 0.85	
Solubility in water	148g/L	at 20℃