

# JORENKU Amino Acids



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**Amino acids from Jorenku ensures your animals the essential and vital amino acids that the animals cannot produce themselves.**

Pigs and poultry do not use amino acids separately, but rather as a mix of vital and non-vital amino acids with the purpose in forming protein. If just one of the essential amino acids is not found in sufficient quantity, the protein is hardly utilised. Just like a deficit (or excess) of one amino acid compared to the other amino acids reduces the utilisation of protein.

The animals' needs for amino acids differ widely depending on age and function and must be covered differently. Therefore, Jorenku has a broad range of amino acids that can be used for different purposes.

Below here you find an overview over the different amino acids from Jorenku.

	LLB50 Lysine	Alimet methionine	Treo-Liq 8 %	Treo-Liq 16 %	Tryptophan + Valine 10 %
DL-methionine		X			
L-lysine	X				
L-threonine			X	X	
L-tryptophan					X
L-valine					X
Propionic acid			X	X	
Potassium sorbate					X
Sodium hydroxide			X	X	X



# JORENKU Lysine



## LLB50 Lysine

Liquid supplementary feed

### Dosage:

Is dosed by means of computerised system

The dosage is determined in cooperation with the feed consultant.



Lysine is an essential amino acid and must be added to the feed because the animals do not produce lysine themselves.

Lysine is crucial for the animals' bones, connective tissue, and muscles. Likewise, lysine is important for the sow's milk production and for the growth of broilers.

Furthermore, a balanced diet with lysine and other essential amino acids plays a key role in improving animal health and growth as well as reducing nitrogen emissions.

LLB50 Lysine is available in drums with 225 kg and IBC containers with 1,200 kg.

### Additive

L-lysine

# JORENKU Alimet Methionine



## **Alimet methionine** Synthetic methionine

### **Dosage:**

Is dosed by means of computerised system

The dosage is determined in cooperation with the feed consultant.



Alimet methionine is a synthetic methionine source with 88 % methionine activity.

Methionine is included in proteins and metabolism.

Alimet Methionine is used in slop-feed mixing and drinking water, where it acts as antioxidant and increases the animals' feed ration.

Alimet Methionine is available in cans with 25 kg and drums with 200 kg.

### **Additive**

DL-methionine

# JORENKU Treo-Liq 8 %



## Treo-Liq 8 % Suspended L-threonine

### Dosage:

Is dosed by means of computerised system

The dosage is determined in cooperation with the feed consultant.



Treo-Liq 8 % contains threonine, which is among the essential amino acids that are vital to add by means of the daily feed.

A deficient of threonine in the diet affects the animals' fat metabolism, immune system, and results in reduced utilisation of lysine. To counteract this, it is crucial to assign threonine to the animals.

Treo-Liq 8 % is available in drums with 225 kg and IBC containers with 1,000 kg.

### Additives

L-threonine

Propionic acid

Sodium hydroxide



# JORENKU Treo-Liq 16 %



## Treo-Liq 16 % Suspended L-threonine

### Dosage:

Is dosed by means of computerised system

The dosage is determined in cooperation with the feed consultant.



Treo-Liq 16 % contains threonine, which is among the essential amino acids that are vital to add by means of the daily feed.

A deficient of threonine in the diet affects the animals' fat metabolism, immune system, and results in reduced utilisation of lysine. To counteract this, it is crucial to assign threonine to the animals.

The choice between using Treo-Liq 8 % or Treo-Liq 16 % depends on the dosing system. It is the amount of threonine that distinguishes the two products.

Treo-Liq 16 % is available in drums with 225 kg and IBC containers with 1,000 kg.

### Additives

L-threonine

Propionic acid

Sodium hydroxide

# JORENKU Tryptophan + Valine 10 %



## Tryptophan + Valine 10 % Liquid supplementary feed

### Dosage:

Is dosed by means of computerised system

The dosage is determined in cooperation with the feed consultant.



Suspended Tryptophan + Valin 10 % contains the two essential amino acids L-tryptophan and L-valine, that are vital to add by means of the daily feed.

L-tryptophan suppresses aggressive behaviour and increases the animals' appetite.

L-valine is important for the sow's milk yield and performance.

A lack of L-valine among poultry can affect the growth and i.a. cause anemia.

Tryptophan + Valine 10 % is available in drums with 200 kg.

### Additives

L-tryptophan
L-valine
Sodium hydroxide
Potassium sorbate



**JORENKU Lysine**  
**LLB50 lysine - Liquid additive**

**Composition:**  
 • Lysine  
 • Treo-Liq

**Additive:**  
 30,500 500 g per kg

**Content composition:**  
 • Treo-Liq 93,00 %

**Technical data:**  
 • Treo-Liq 93,00 %  
 • Lysine 6,50 %

**Use:**  
 The product is used in animal feed administration.

**Application / Advice:**  
 • Use in accordance with label for all kind of pigs.  
 • Always use a complete feed system.

**Storage / Safety:**  
 • Store in a cool, dry place.  
 • Avoid contact with eyes and skin.  
 • Avoid contact with food and water.

**Manufacturer:**  
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