

ALQUERZIM LECHONES SOJA

DESCRIPTION

Powder premix containing amylase, protease and lipase intended for piglets of 5 days till 10 kg of live weight (klw), whose diet contains derivatives of soy.

TECHNICAL PROPERTIES

Physiologically, the enzymatic digestive system of the piglet is immature until the sixth week of life: the secretion of lactase rapidly diminishes from the second week after birth, while the secretion of lipase, amylase, pepsine and trypsin only start to develop after the fifth week of life.

Furthermore, the stress produced by the weaning interrupts the enzymatic maturing of the piglet. This means that the first weeks of life the sources of carbohydrates and proteins used should be highly digestible and the formulation of the diet should be adapted to the physiological necessities of the piglet and complemented with the necessary enzymes. Optimal growth and good sanitary conditions at this stage will be reflected in a higher productivity at a later stage.

The elevated nutritive value of the soy bean is due to its composition of aminoacids in its protein, but its complete nutritive value can only be obtained after eliminating the Anti-Nutritional Factors (ANF) present. To adapt soy to fit piglet feed requirements, derivatives are commonly used which have been submitted to different treatments like for example. toasting, extraction, UHT or alkaline/acid treatment. The objective of these treatments is to reduce almost completely the presence of the most common Anti-Nutritional Factors such as the inhibitors of proteases, lectines, phytates, antigens, oligosaccharide, etc.

However, even though soy has been treated, piglets are not able to digest completely the derivatives of the soy due to their immature digestive system. Therefore, it is necessary to add an enzymatic premix to feed which complements the physiological deficiency of amylase, lipase and protease. The result is a higher utilization of the feed and a prevention of digestive disorders, produced by the undigested proteins in the intestine, which favours the proliferation of pathogenic bacteria such as Escherichia coli and other anaerobic of the genus Clostridium.

Furthermore, the protease present in the formulation (subtilisine) has a proteolytic action on the residual antigens of the derivatives of soy and improve the digestibility of the protein aggregates and the carbohydrate-protein complexes that are formed during the heating of the soy.

It is recommended to complement the action of **Alquerzim Lechones Soja** with an acidifying product, **Alquerfeed Acidificante**, to counter the marked deficit in the production of hydrochloric acid in the first weeks of life of the piglet.

C/Luxemburg, 25 – Polígono
Industrial
Apdo 15 . 43120 CONSTANTÍ
(Tarragona)
Tel. 977 29 63 04 Fax 977 29 63 05
www.biovét-alquermes.com

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INTERNATIONAL ADDRESS
P.O Box 15
43120 CONSTANTÍ (Tarragona)
SPAIN
Tel. 34 – 977 29 63 04
Fax 34 – 977 29 63 05

INDICATIONS AND SPECIES

ALQUERZIM LECHONES SOJA is intended for piglets of 5 days till 10 kg of live weight (klw), whose diet contains derivatives of soy.

COMPOSITION

Alpha-amylase	4 000 000 U
Subtilisine	2 000 000 U
Lipase	1 500 000 U
Excipient to 1 kg	

DOSAGE

It is used mixed with feed at doses of 0.5-1 kg/ton.

PACKAGING

Bags of 25 kg.

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