

PROLECHON®

Spray Dried Bovine Blood Plasma

PRODUCT DESCRIPTION:

Species of Origin of goods:

Type of goods:

Recommended Use:

Method of Application:

Dosage:

Storage:

Expiration date:

Package:

Ingredient for Animal Feeding

Bovine

Spray Dried Bovine Blood Plasma

Aquaculture Feed, Piglet Feed, Petfood

Add directly to the Feed

1% - 10%

Store in cool and dry place

2 year from production date

Sacks containing 20 kg, double-ply paper outer bag and polyethylene inner bag.

MANUFACTURER & EXPORTER:

Lican Alimentos Mexico S.A. Blvd de los Seris No. 76, Colonia Parque Industrial Hermosillo, Sonora, Mexico.

Lican Alimentos S.A. Santa Adela 9589, Santiago, Chile.

Lican Paraguay S.A. Teniente Espinola 535, Asunción, Paraguay

COMPOSITION - ANALYSIS:

Chemical Analysis			Microbiologic Analysis	
Total Protein	78 %	Minimum	Total aerobic plate count	< 100.000 germs /g
Humidity	8 %	Maximum	Salmonella	Absent / 25 g
Fat	1 %	Maximum	E. coli	Absent / g
Ash	10 %	Maximum	Enterobacterias	< 10 germs / g
Sodium	3 %	Maximum		

AMINOACID PROFILE:

Amino Acid	Total	SID * %
Alanine	4,0%	93,4
Arginine	4,5%	97,4
Aspartic Acid	7,6%	91,4
Cysteine	2,7%	91,2
Glutamic Acid	11,3%	91,5
Glycine	2,9%	90,2
Histidine	2,7%	94,3
Isoleucine	2,8%	93,5
Leucine	7,5%	94,5

Amino Acid	Total	SID * %
Lysine	6,5%	94,2
Methionine	0,7%	94,0
Phenylalanine	4,4%	94,5
Proline	4,3%	100,0
Serine	4,5%	93,4
Threonine	4,6%	92,7
Tryptophan	1,3%	94,1
Tyrosine	3,5%	89,2
Valine	5,1%	93,3

(*) Source: Table 8. Apparent total tract digestibility (ATTD) of P, and standardized total tract digestibility (STTD) of P, and **Standardized Ileal Digestibility (SID)** of CP and AA in avian blood meal, porcine blood meal, bovine blood meal, spray dried plasma protein (SDPP), spray dried blood cells (SDBC), and spray dried blood meal (SDBM), as-fed basis. In: Nutritional Value of Animal Proteins Fed to Pigs. Rojas, O.J. and H.H. Stein. 2012. Midwest Swine Nutrition Conference, p 9-24.

CHARACTERISTICS OF PROLECHON: *(Spray Dried Bovine Blood Plasma)*

PROLECHON is a plasma albumin and globulin protein supplement, is a natural source of highly digestible and palatable proteins and immunoglobulins. PROLECHON is a complex mixture of biologically functional proteins presents in the animal blood plasma: Alpha globulin, Beta globulin, Gamma globulin (IgG), Albumin and other.

PROLECHON is made from ultrafiltered blood plasma of healthy animals submitted to an official veterinary inspection pre and post mortem, and sacrificed in approved establishments under official control by competent authorities of Ministry of Agriculture.

PROLECHON is a very stable and very safe functional protein source manufactured under rigorous quality assurance procedures (GMP and HACCP), therefore our product Spray Dried Blood Plasma is recognized as safe, natural and wholesome feed ingredient.

PROLECHON strongly increases feed consumption, enhances weight gain, and improves feed usage efficiency and the general health status in several animal species: young pigs, dogs, poultry, and aquaculture.

Research indicates that some functional proteins present in the plasma powder are resistant to digestion and therefore reach the intestine where they assist the immune local response.

Spray Dried Blood Plasma is an ideal alternative for replacing antibiotics in animal feed. Many research indicates that Spray Dried Blood Plasma prevents intestinal infections by E. coli and other pathogens. Blood plasma powder gives immune protection to young pig, therefore the nutrients are used for growing more than for immune system activation (during mild infections). The response to plasma powder is greater when pigs are housed in less sanitary conditions, and if the young pigs have weakened immune system.

PROLECHON is used in pig starter rations, inclusion levels depending on age at weaning, health status, and desired growth level, in order to:

- **Increase Feed Intake in Piglets at Weaning**
- **Increase Daily Weight Gain**
- **Improve Feed Conversion Rate**
- **Prevents intestinal infections by E. coli and other pathogens**
- **Give immune protection to young pigs**

The following incorporation levels into the ration are shown as a general recommendation:

Weaning Age	Phase	PROLECHON	Hemoglobin
14 days	until 21 days	7,5% to 10%	until 2%
	from 22 to 30 days	3,5% to 5%	until 2,5%
21 days	until 28 days	6% to 7,5%	until 2,5%
	from 29 to 42 days	0% to 4%	1% to 2,5%
28 days	until 35 days	3,7% to 7,5%	until 2,5%
	from 36 to 49 days	0%	1% to 2,5%

Ask your advisor in animal nutrition to adapt dose levels to your own requirements.

LICAN MEXICO

Av. Blvd de los Seris No. 76, Colonia Parque Industrial
Hermosillo, Sonora, Mexico
Fono: +52 (662) 2 51 03 54, +52 1 (644) 145 1447
Email: info@licanfood.com

LICAN CHILE

Santa Adela 9580, Santiago, Chile
Phone: +56 (2) 2538 1081, +56 (2) 2538 0950
E-mail: info@licanfood.com

LICAN PARAGUAY

Teniente Espinola 535, Asunción, Paraguay
Phone: +595 (21) 299 542, +595 (21) 299 543
E-mail: info@licanfood.com