

Vitamex, at the heart of feed

The starting point for rearing healthy, productive animals is safe nutrition.

Active in over 50 countries worldwide, we produce premixes, concentrates and special ingredients for the animal feed industry.

We strive to constantly innovate, and at the heart of our unique ingredients are our ongoing research, development and testing programmes. We are widely acknowledged as the industry's benchmark for increasing yields and reducing disease naturally. And our highly knowledgeable experts are always there to offer technical, nutritional and veterinary advice.

Through our worldwide reach, constant innovation, thorough testing and proven results, we are proud to say that, today and tomorrow, **Vitamex** will remain at the heart of feed.

SPeCially DeVeLOPeD
FOR PIGS

Vitaprotein 50

50% crude protein
The classic fishmeal replacer

Vitaprotein 50 plus

50% crude protein
With added omega-3 fatty acids for extra growth and production potential.

- **Application:** 2.5- 7.5% mixed in the feed
- **Packaging:** Bags of 25 kg
- **Storage:** Store cool and dry



Complies with Royal Decree of February, 8, 1999 (BS 21.04.99) and Ministerial Decree of February, 12, 1999 (BS 21.04.99) concerning trade and use of substances destined for animal feeding.



PIGS



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For more information

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Why ishproducts ?

Fishmeal is used as an excellent source of high quality protein, minerals and essential omega-3 fatty acids. It contains a pattern of amino acids with lots of methionine and threonine.

For this reasons, ishproducts are used for :

- piglets during weaning
- sows during lactation



Vitaprotein 50

The use of ishmeal also has some disadvantages.

- legal restrictions
- scarce and expensive raw material
- presence of toxic, biogenic amines

Therefore, **Vitamex** has developed a high quality alternative that stands comparison with ishmeal, yet stays economically interesting in formulation.

Properties of Vitaprotein 50 :

- Raw materials with little risk of microbial contamination.
- Good intake guaranteed by minimalisation of the Anti-Nutritional Factors (such as solanine).
- Very good digestibility of the proteins, which contain an excellent pattern of amino acids.
- High availability of minerals (Ca, P, K, MG) which enhances the endogene enzyme synthesis in the piglet.

Vitaprotein 50 Plus

Vitaprotein 50 Plus is enriched with omega-3 fatty acids. Therefore it is the perfect nutritional weapon for animals that have to perform in stressed conditions. Omega-3 fatty acids enhance the immunity of animals during periods of stress and thus are indispensable in the crucial periods of the life cycle.

Omega-3 fatty acids:

- Improve the quality of the cell structures.
- Promote the transport of vitamins.
- Have a positive influence on the immune system.
- Are precursors for important hormones.

Impressive results of ield trials

In a trial in Spain, 130 piglets were observed. They were weaned at 21 days and followed in the trial during the next 17 days. **Vitaprotein 50 Plus** was tested against a control feed with 5% herringmeal.

The analysis of the feed was standardised for:

- energy (2350 kcal/kg)
- crude protein 183 g/kg
- digestible lysine 12 g/kg
- methionin + cystin, threonin and tryptophane in a ratio of 60/63/18 to lysine

	5 % herringmeal	5 % Vitaprotein 50	
Amount of pigs	130	130	
Start weight (kg)	6.34	6.16	
End weight (kg)	11.32	11.54	
Growth (kg total)	4.98	5.38 + 400 g	
(g/day)	293	317	+8%
Feed intake (kg total)	7.44	7.60	
(g/day)	384	396	
Feed Conversion Ratio (FCR)	1.31	1.25	-4.8%

The feed conversion was 4,8% better in the group that was fed with **Vitaprotein**. This represents approximately 0,025 € per piglet per day, or 0,425 € per piglet over the 17 days of the trial.



Conclusion

Vitaprotein 50 (Plus) proved in practice that it is a highly valuable alternative for ishmeal. Also economically, it can compete with the natural version. Further, **Vitamex** guarantees the constant quality of the product, which makes **Vitaprotein 50 (Plus)** extremely safe and easy to formulate.