

VeyFo®

Tan-O-Lin Trio Tan-O-Lin Quattro



Complementary mineral feed with particular nutritional purposes for pigs and calves

- The new generation of the proven VeyFo® Tan-O-Lin products
- Mono-, di- and triglycerides of a combination of fatty acids
- Additional copper influences the bacterial growth



Formulations for professionals
demanding peak performance

Product characteristics

VeyFo® Tan-O-Lin Trio and VeyFo® Tan-O-Lin Quattro are formulated with finely coordinated components meeting the requirements of four particular nutritional purposes. Both products have been designed according to the list of intended uses of animal feed for the particular nutritional purposes

Support of regeneration of hooves, trotters and skin
Support for nutritional imbalances in dietary transition
Support weaning and
Support the regeneration of the skin and appendages.

The provision of zinc is an essential nutritional characteristic for these particular nutritional purposes. VeyFo® Tan-O-Lin Trio and VeyFo® Tan-O-Lin Quattro both contain ZnoCodin. That part of the utilised zinc reaching the small intestine as zinc oxide releases the essential share of zinc ions there. The zinc ions arrive at the intestinal epithelial cells which act as connective tissues and are forwarded from there to other epithelial skin cells of the body such as the dermis of hooves and claws.



A selection of further essential components, such as bentonite, inulin from chicory as well as mono-, di- and triglycerides of a combination of butyric, propionic, heptanoic, caprylic, capric and lauric acid, essentially contributes to the stabilisation of the gut.

Furthermore, the products comprise secondary metabolites of plant oils which have an appetising effect and increase the feed acceptance.

VeyFo® Tan-O-Lin Quattro, in addition, contains refined copper oxide „Vey Cuxid“ which influences bacterial growth and acts as an additional component for the stabilisation of the gut health.

Effective combination of fatty acids

Both products contain mono-, di- and triglycerides of the butyric and mono-lauric acid which have long-proven benefits and, in combination, have a protective effect on the gut microbiome.

VeyFo® Tan-O-Lin Trio	VeyFo® Tan-O-Lin Quattro
	
<p>Zinc oxide to support the regeneration of hooves, trotters and skin</p> <p>Bentonite promotes the removal of toxins and stabilises the gut</p> <p>Mono-, di- and triglycerides of a combination of fatty acids have a protective effect on the gut microbiome</p>	<p>Zinc oxide to support the regeneration of hooves, trotters and skin</p> <p>Bentonite promotes the removal of toxins and stabilises the gut</p> <p>Mono-, di- and triglycerides of a combination of fatty acids have a protective effect on the gut microbiome</p> <p>Additional copper influences bacterial growth and stabilises gut health</p>
Secondary metabolites of plant oils increase the feed acceptance	
Reduction of pH in the stomach	
For pigs and calves	For pigs

Conception / table of components essential for the nutritional purpose*

	VeyFo® Tan-O-Lin Trio	VeyFo® Tan-O-Lin Quattro
Mono-, di- and triglycerides of butyric and mono-lauric acid	> 23 %	> 23 %
Zinc oxide	98,680 mg (equiv to 75,000 mg zinc)	98,680 mg (equiv to 75,000 mg zinc)
Copper oxide	-	55,000 mg (equiv to 40,000 mg copper)
Bentonite	200,000 mg	200,000 mg
Calcium	13.00 %	13.00 %
Natrium	2.00 %	2.00 %
Phosphorus	1.00 %	1.00 %
Magnesium	0.80 %	0.80 %
Lysine	0.00 %	0.00 %

*Details on composition, ingredients and additives are indicated on the label. Recommended dosages are provided on the product information which is included in each package.

Feeding concepts tailored to the requirements of the individual species – recommendations for use and dosage

VeyFo® Tan-O-Lin Trio

Due to its particular nutritional purposes, the product contains zinc and bentonite in a concentration higher than the relevant fixed maximum contents in complete feeds.

It must be ensured that the legal maximum contents of

- 150 mg zinc/kg complete feed for piglets and sows,
- 180 mg zinc/kg for calves and
- 20,000 mg bentonite/kg for all species (referred to 88 % of the dry matter) are complied with.

Due to its increased zinc content, the product may be mixed into complete feed or fed with the daily ration only at a maximum of 20 % to piglets and sows and at a maximum rate of 24 % to calves.

VeyFo® Tan-O-Lin Quattro

Due to its particular nutritional purposes, the product contains zinc, copper and bentonite in a concentration higher than the relevant fixed maximum contents in complete feeds.

It must be ensured that the legal maximum contents of

- 150 mg zinc/kg complete feed for piglets,
- 150 mg/kg copper complete feed for suckling piglets up to 4 weeks after weaning,
- 100 mg/kg complete feed for piglets up to 8 weeks after weaning and
- 20,000 mg bentonite/kg for all species (referred to 88 % of the dry matter) are complied with.

Due to its increased zinc and copper content, the product may be mixed into complete feed or fed with the daily ration only at a maximum of 20 %.

Feeding concepts tailored to the requirements of the individual species and detailed dosage recommendations are included in the relevant package leaflets.

With regard to the nutritional physiological role and biological dietetic functions of the individual nutrients, the following information has been extracted from the technical literature.

Bentonite is a clay mineral that usually forms from weathering of volcanic ash. Caused by its structure and geology and depending on its rate of montmorillonite, the material has an extremely large surface, which is negatively charged, and is therefore capable of absorbing harmful substances. Bentonite offers an exceptionally high absorption capacity and ensures removal of toxins from the gut, at the same time providing a huge area for beneficial bacteria to populate. Bentonite promotes the functions of the intestinal flora and thus stabilises normal physiological digestion.

Butyric acid and its derivatives are the most important energy sources of the intestinal epithelium. They have a beneficial effect on intestinal health and influence *E. coli*, salmonella, lawsonia and brachyspira. Moreover, butyric acid provides an important energy source for the growth of intestinal villi.

Copper (Cu) belongs to the group of trace elements. In interaction with iron, it is involved in the formation of hemoglobin and myoglobin. It is a component of enzymes and plays an important role in skeletal growth and pigmentation. Symptoms of copper deficiency may be retarded growth, skeletal development disorders, nervous system dysfunction, reproductive disorders, and anaemia. In case of copper deficiency, protein synthesis may be affected, too.

Mono-lauric acid is a component of the medium-chain triglycerides, also known as MCT (medium-chain triglycerides) or MCFA (medium-chain fatty acids). Its name is derived from the Latin name *Laurus nobilis* that stands for laurel. Research on lauric acid and its characteristics has been conducted since the 1960s. Its protective effect on the physiological microbiome has been scientifically confirmed. It is important to know that it is the monoglycerides which are effective, i.e. the monolaurin.

Zinc (Zn) is an essential trace element and as such a component of various enzymes and of the hormone insulin. It has various important functions in the metabolism: It plays a key role in the sugar, protein and fat metabolism and is involved in the formation of cells and growth. Zinc has an influence on the metabolism of the intestinal cells. It promotes the microbial eubiosis, has absorbing as well as astringent effects and thus positively influences the regeneration processes. In 2004, WHO and UNICEF gave opinions on the treatment of active digestive disorders in which they recommended the supplementation of zinc and oral rehydration solutions. A deficiency in zinc results in retarded growth and in reduced feed intake. Skin and epithelial damages are also being observed. Its function in the development and regeneration of tissue in the health of hooves and claws is of paramount importance. Zinc also plays a major role in the formation of the protein keratin which is particularly relevant for the udder health. Keratin forms a wax-like protective film in the teat canal a large part of which must be regenerated after each milking. If this is not achieved, the risk of infection increases since bacteria may easily penetrate. Hence, zinc is also essential for the prevention of mastitis.

Package sizes

Bag of 5 kg

Bag of 12,5 kg

Notes

Keep out of the reach and sight of children and protect from light. Close package tightly after initial opening.

Persons who are sensitive to the inhalation of fine dust are recommended to wear a dusk mask when handling the products.

To achieve a clear separation from our veterinary medicines and care products, all our feed specialities that are subject to the feedstuff law - as the present ones - are exclusively marketed and labelled under the umbrella brand "VeyFo®". They are no medicinal products and need not to be entered into the stable treatment diary.

The information given in this product brochure corresponds to the state of knowledge upon completion. Please read the package leaflets prior to using the products.

Veyx-Pharma is GMP-, QS- and VLOG- certified.

Veyx-Pharma GmbH · Soehreweg 6 · 34639 Schwarzenborn · Germany
Phone 0049 5686 99860 · E-Mail zentrale@veyx.de
www.veyx.com

05/2022