



Product data sheet

MISCELLANEOUS**A-VITASHOCK****USAGE :** oral liquid for animals**PHYSICAL ASPECT:** brown liquid**DESCRIPTION:** product to improve the general immune & health condition**COMPOSITION:**

- Lecithin (from soy or sunflower) 50 gm
- Betaglucan 30 gm
- Mos(mannanolegosaccharide) 25 gm
- Yucca extract (saponin80%) 25gm
- Sorbitol 100 gm
- Fructoligosaccharide 30 gm
- Oregano oil 30 gm
- Purified water up to 1000 ml

RECOMMENDED DOSAGE : 0,25-1 ml / 1 liter of drinking water**TARGET SPECIES:** poultry and cattle**PACKAGING:** 500 ml, 1, 5, 25, 200 & 1000 liters**STORAGE:** Store in a fresh, dry, protected from light place.
Keep closed after each use.**SELFLIFE:** Two years as from manufacturing date.

Should any technical question, please do not hesitate to contact our technical department.



Product data sheet

MISCELLANEOUS



A-VITASHOCK

TECHNICAL CHARACTERISTICS / ACTION MECHANISM

We get a synergistic effect between all the ingredients of our product with a general target or purpose which is to **ENHANCE THE IMMUNE SYSTEM** and **GENERAL HEALTH CONDITION OF THE ANIMAL**

Step By step

- **BETAGLUCANS / MOS / FOS**

The effect of the mixture of prebiotic additives such as Betaglucans and mannano-oligosaccharides (MOS), derived from the *Saccharomyces Cerevisiae* yeast cell wall prevents colonization of the intestinal tract by pathogens, stimulates the immune activity of the phagocytic cells, enhances the action of beneficial bacteria such as *Lactobacillus* and *Bifid* bacteria, making an immunological wall against diseases. These effects increase the feed efficiency, increase growth rate and reduce the mortality.

The glucans source stimulate the endothelial reticulum. The endothelial reticulum produces high quantities of macrophages that play a key role in the immunological system.

The macrophage function is to absorb and destroy the invading particles of phagocytosis.

It is also important the effect from mannano-oligosaccharide (MOS) and Fructo-oligosaccharide (FOS) sources, which act in animal intestine, binding host bacteria that attack the intestinal wall such *E. coli*. MOS and FOS can be used by *Lactobacillus* like energy source increasing the benefit bacteria growth

- **YUCCA / LECITHIN / SORBITOL**

Several studies shows a growth performance, efficiency to utilize feed, protein and energy, and survivability with the use of **YUCCA** powder in broiler ration. Also benefits to maintain the litter quality by the reduction effect on ammonia content, which directly enhances on the productivity in broiler production without adverse effects

Improvement of final body weight may be related to positive effects on the high content of saponins present in the natural source of *Yucca* we include in A-VITASHOCK on nutrient absorption from the gastrointestinal tract as saponins are well known to improve the absorption of nutrients by the intestinal tract. The enhanced average weight gain and better FCR which might resulted in emulsification of oil fats, promoting their digestion, and absorption of vitamins and minerals, confirmed to the findings of many researchers. This effect is also reinforced by the source of **LECITHIN** included also in our formulation. The introduction of **SORBITOL** helps on the lipid process/management and hepatic protection. Definitely Average daily gain and weight growth performance is enhanced

- **OREGANO OIL**

Is well known the effect on appetite, digestivity and bactericide effect of the oregano oil. Our source of mediterranean origin oil drives our product to an strong effect to enhance the health of the animal and also helping on performance and growth of the animal