

# AMPHILECTIN

## Liquid

*Powerful growth promoter and immune-stimulant agent for poultry*

### **Product Description:**

AMPHILECTIN liquid is specially designed liquid acting as a powerful growth promoter and immune-stimulant agent for poultry.


AMPHILECTIN liquid contains mushroom Lectin which has recently gained significant attention in medical research because of its immune-enhancing effects and their demonstrated potential in promoting health. Studies demonstrate that lectin can be an effective growth promoting and immunostimulating agent in poultry during coccidiosis. It is known that supplementation of mushroom in the poultry diet results in enhancement of resistance to *Eimeria tenella* probably by enhancing both cellular and humoral immune responses against *E. tenella* in chickens. Several studies demonstrate the ability of mushrooms to influence body weight of broiler chickens and show an immune enhancement via the bursa of Fabricius.

AMPHILECTIN liquid also includes *Yucca Schidigera* that is well-known with its important role to reduce ammonia gas emission from broiler litter and increase the birds' performance and improve production and carcass characteristics.

*Yucca Schidigera* is also known by its positive effect on feed conversion ratio (FCR) in poultry. It is reported that the efficiency of feed utilization is significantly better with addition of *Yucca* to poultry feed. The broilers exposed to the low concentration of ammonia showed the highest feed efficiency. Also, carcass characteristics (eviscerated weight percentage, breast meat and thigh yield) were significantly higher in *Yucca* treated birds.

AMPHILECTIN liquid is characterized by its inclusion of nucleotide as one of its essential components. Nucleotide supplementation is very important in broiler industry especially for growing broilers allowing much faster growth and enabling broiler chick to reach marketing weight at earlier age as a result of early and rapid development of intestinal tract and mature villi. Nucleotides act by increasing villi length, therefore, leading to increased surface area of absorption which results in improved digestion and absorption of nutrients. Dietary nucleotide supplementation results in improvement in body weight gain and FCR.

AMPHILECTIN liquid contains also, Beta Glucan (From *Saccharomyces Cerevisiae* cell wall extract).  $\beta$ -Glucan supplementation have been shown to increase immune responses in poultry by increasing the production of new immunocytes as well as



increasing the phagocytic function of macrophages. They also increase the phagocytic, bactericidal killing and oxidative burst of heterophils in broiler chicks.  $\beta$ -Glucan has also been shown to enhance immune response by altering the cytokine profiles of chickens.  $\beta$ -Glucans, therefore, may provide a tool for producers trying to reduce or eliminate the use of antibiotics in poultry diets. Supplementation with  $\beta$ -glucans has also been shown to be beneficial in protection from mycotoxins. Beta glucan administration results in reduction in the ceca of hens that can impact levels of Salmonella Enteritidis shed to the environment and thus reduce the potential of Salmonella Enteritidis contamination of the eggshell. Supplementation of  $\beta$ -glucan to broiler diet improves the survival rate and feed conversion rate of broilers. Therefore,  $\beta$ -glucan can be a potential alternative to antibiotics to improve the survival and performance of broilers.

AMPHILECTIN liquid also provides adequate concentration of prebiotics represented by xylooligosaccharide (XOS). Prebiotics may have beneficial effects on the animal's physiology by selectively stimulating beneficial microbiota in the digestion system.

**Benefits:**

AMPHILECTIN liquid can be used as a feed additive to enhance growth of poultry, especially young chicks during the first three weeks of their age.

AMPHILECTIN liquid may be used as an alternative to antibiotics to improve the survival and performance of broilers.

AMPHILECTIN liquid is helpful to guard against, and as adjuvant in treatment of, coccidiosis.

AMPHILECTIN liquid may be of value to achieve a faster and stronger antibody response to routine vaccines in chickens.

AMPHILECTIN liquid may be used to improve eggshell quality and reduce the potential of Salmonella Enteritidis contamination of the eggshell.

AMPHILECTIN liquid can be used to maintain maximum growth performance when birds are reared under environmental stress conditions.

**Ingredients:**

Mushroom Lectin (Agriacus Bisporus Extract 2%), Xylitol (E967), Yucca Schidigera Extract, Beta Glucan (Saccharomyces Cerevisiae cell wall extract), Xylooligosaccharides, Sodium Chloride, Sorbitol, Propylene Glycol, Nucleotide, Glycine, Selenium, Zinc Chelate and Deionized water add to 1 Liter

