



¿RED MITE?

ACARISIN™



## RED MITE (*Dermanyssus gallinae*)

Red mite is one of the most common pests in poultry farms and is causing a large number and variety of damages both in terms of animal health as growth performance. This mite sucks the blood of the bird causing a significant level of chronic inflammation and itching caused directly from high stress levels that result in a multitude of symptoms such as decreased feed consumption, a significant decrease in egg production and an obvious lack of sleep and an increase in appearance of dirty eggs. It is well known that this mite is transmitter of some kinds of bacteria such as *Salmonella* and may be causing irritation and allergies operators of such farms.

## CHEMICAL CONTROL

Most of the current control mechanisms based on chemicals and insecticides are frankly unsatisfactory according to surveys of producers and marketers. <sup>SP & M Germany</sup>

This rejection is due to many factors and weaknesses in the implementation and management of this type of products that significantly interfere in the normal production process, the care and maintenance of farms with involvement of ordinary life and standardized animal care and production.

The vast majority of products can not be applied to animals within them in-house and during the production period, or in the presence of hens. Virtually all products are having an impact on animal behavior and recent studies reveal a significant impact on egg production or modifying factors carry the same.

Furthermore, eggs produced during the application of most of the chemicals in the market have to be discarded to prevent the market after contact with chemical agents against possible presence of hazardous waste on human health.

Notwithstanding the application of these kind of chemicals will/may require important special security measures, many of them can not be considered eco-friendly or environmentally innocuous, most also emit unpleasant odors and may cause health and occupational safety problems and toxicity to fauna, birds the environment and the workers who daily perform their work in this environment.

Market studies in different countries shown that the problem of red mite is an unresolved universal issue as most market participants are not satisfied with the results so far and require comprehensive and secure solutions , economic , efficient and proven.

All this is now possible with a natural - mineral , chemical - toxics free product toxic complications and a full safety and security .

The first edible, eco-friendly control of red mite to grown, produce and run healthy farms and healthy products





## **SOLUTION : TM ACARISIN**

ACARISIN TM is a product development of ND Pharma & Biotech. ACARISIN TM is a food innovation, edible, harmless to animals and the environment. It can be applied to animals and with them inside on the premises, does not require special protection, expensive tools or appliances and does not require discarding the eggs in contact. On the opposite side, ACARISIN™ act as protection of animal foods while working with the correct and balanced nutrition of species by providing micronutrients and minerals as these are main ingredients. ACARISIN TM has a sustained action over time with proven efficiencies of 100% of deaths at certain parasitic larval stages between 1-14 days with the possibility to be applied as often as necessary and in different senses both preventive and therapeutic .

## **LEGALITY**

ACARISIN TM is a food product for industrial use and therefore is exempt from inclusion in the Register for Biocides. In accordance to its individual components, functional and legal classification as well as the mechanism of action and the technology provided, the compound is specifically excluded from the requirements of Directive 98/8/EC of the European Parliament and of the Council of 16 February 1998 concerning the placing of Biocide products, on the grounds of the precepts established within Article 1, Paragraph 2 , Sections i ) and j) of that statute .

## **ND Pharma & Biotech**

Pharma and Biotech ND is a biopharmaceutical and biotechnology company operating within the national and international markets for raw materials and specialty products. ND developed and maintains innovation as one of the main assets of the company with a unique capability to develop new markets and identify opportunities and solutions providing strategic and competitive industrial operators in the various sectors, chemical, food, pharmaceutical, medical, agricultural, and other advantages.

The Company has developed a variety of different business lines and specific pharmaceutical products for the city of human health and / or animal and other areas related to AgriBusiness

Our Reference Laboratories and research partners around the world, are mostly from first class institutions like Universities , Clinics and other programs established and reputable research within the field of R + D + i in all the world . Our company is a supplier of advanced solutions and product of multinational corporations within the food sector with whom we have established agreements and other CRO .

## ACARISIN TM

### SECURITY , ECONOMIC , EFFICIENT ...

ACARISIN TM is a product development and ND Pharma & Biotech. ACARISIN TM is a food innovation , edible, harmless to animals and the environment , can be applied to animals on the premises, does not require special protection, no expensive tools or appliances are needed and does not require discarding the eggs while working with the correct and balanced nutrition of animals by providing micronutrients and minerals. ACARISIN TM has a sustained action over time with proven efficiencies of 100% of deaths and parasitic larval stages between 1-14 days with the possibility to be applied as often as necessary and in different directions both preventive and therapeutic .

### TECHNICAL DATA

**Name of Firm :** ND Pharma & Biotech

**Product Name:** ACARISIN TM .

**Trademark :** ACARISIN TM

**Company or firm that produces it :** ND Pharma & Biotech

**Ingredients:** Sodium + HCA Aditio Mineral Salts (Annex II · Regulation EC 1925/2006 ) + SiO 3 (Anti - Caking ) .

**Description . Function or effect , for use:**

Food innovation formulated with mineral ingredients with different uses in the field of food and other , especially suitable for addition to certain food commodities and processed wishing to be improved in your condition, life and food security, development described in corresponding to the original patent describes a new combination and use in this claim indicated doses . Use in solution in aqueous solution or powder . Especially suitable for the protection of those foods or raw materials stored susceptible to attack by mites , insects and similar to those you want to provide natural protection without biocides , insecticides or other potentially dangerous compounds for human being.

**Specifications for identity and purity :**

( According to the recommendations of the JECFA - Especifications for identity and purity FAO Food and Nutrition Paper) Purity 98.5 % to 1015 % . Manufactured to specifications : Dir 2008/84/EC and 2000/63/EC FCC 6 RD 1466/2009 . For food use not in accordance with Regulation 1925/2006 and 1130/2011y FCC "Clean label" in accordance with EC 1169/2011 regulation ex.arts . 19 and 20 .

**Brief description of the technological process :**

Purification , Ultra- filtration, Crystallization and Mixing of the pure components as indicated in the vindication of the invention using exclusive patented technology .

**Packing Type Used:** 25kg bags

Tagged : CODEX STAN 107-1981 According , EUROPEAN LEGISLATION AND NATIONAL Storage and / or conservation? :

Store away from light

**Health Producer License:**

RSIPAC : 31.00195/B-RGS : 31.00195 / B (ESP) (CAT)



# NATURAL PROTECTION AGAINST HIDDEN DANGERS



# ACARISIN™

100% NATURAL – MINERAL EDIBLE PRODUCT DESIGNED FOR FOOD PROTECTION  
ACARICIDE·INSECTICIDE·MITICIDE·FUNGICIDE·OVICIDE·LARVICIDE  
EFFECTIVE AGAINST CERTAIN FOOD BACTERIA  
FOOD PRODUCT MADE FROM MINERAL SALTS AND INGREDIENTS·CLEAN LABEL·  
EDIBLE TO USE IN RECIPES·BAKERY·CONFECTIONERY·ETC.  
MULTIPLE USES AND APPLICATIONS  
WORLDWIDE APPROVED INGREDIENTS  
(EU·Reg.CE1925/2006), (FDA·GRAS)

ND Pharma & Biotech

[www.ndpharmabiotech.com](http://www.ndpharmabiotech.com)