

## **COMBINED FEED ADDITIVE «BELVETSORB»**

*candidate of chemical science, PhD in physical chemistry Tatyana A. Savitskaya  
Belarusian State University*

### **Description:**

Slight odourless black granulate. Preparation contains: activated coal, sulphate acetate cellulose and chitosan (form interpolyelectrolite complex), calcium and magnesium carbonates, vitamin D.

### **Purpose:**

It used as feed additive for broiler chickens, laying chickens. Reduces alimentary burden of toxin, which turns up favourable prerequisite for the normalization of organism's activity. Influences in the positive way on the morphologic and biochemical blood characteristics, stimulates erythropoiesis and hemopoiesis.

### **Competitive advantages:**

The preparation influences in more positive way in comparison with the foreign analogues:

- in more significant degree absorbs toxic substance, situated in gastrointestinal tract, and at the same time in the fewest degree captures vitamins, situated in organism;
- supports the production of postvaccinal immunity against the viruses of Newcastle's and Gamboro's illnesses;
- increases about 11-12% in the live weight;
- increases the number of eggs from laying chickens, the amount of calcium in the eggshell is increases too, and in the yolk – vitamin A. As a result, the transportation of the eggs becomes more safety, and it intake – more healthy;

The development of this preparation should solve the problem of import substitution.

### **Economic effect:**

«Belvetsorb» is rather chip feed additive because of the use raw materials, which are available in our republic. Besides, with adding preparation in combined feed, it's quantity occupies 0,1% from the whole mass, and profit from one kilogram of broiler chicken is 540-680 bel. rouble.

### **Novelty:**

Previously, preparations which included this combination of the ingredients weren't used in veterinary and aviculture.