

APPROVED
Deputy Manager of
Rosselkhoznadzor
Vlassov N.A.
Signature. Stamp.
Date: September 06, 2017

INSTRUCTION

of Methionine Feed Grade application to manufacture premixes, feed mixtures and combined feedstuffs for agricultural animals and poultry

(Manufacturer: JSC "Volzhsky Orgsynthese", Volgograd region, Volzhsky)

I. GENERAL INFORMATION

1. Methionine Feed Grade is a feed additive to manufacture premixes, feed mixtures and combined feedstuffs with the purpose to improve and balance the rations of agricultural animals and poultry.

2. Methionine Feed Grade contains not less than 99% of main substance obtained by chemical synthesis. Content of noxious impurities doesn't exceed permissible limited accepted in the Russian federation.

It doesn't contain genetic engineering modifying products.

3. Methionine Feed Grade is a crystalline powder from light yellow to light brown or grey color with specific odor.

4. Manufactured product is packed in 20 kg or 25 kg multi-ply bags of combined materials or in 800 kg polypropylene disposable containers.

Each package unit is marked indicating feed additive name, manufacturer name, its trademark and address, weight net, batch number, production date, shelf life and storage conditions, additive application method, registration number, inscription "For animals" and provided with application Instruction.

Methionine Feed Grade is stored in the manufacturer's package in dry non-heating areas. Shelf life is 5 years. Upon shelf life expiry the product is not liable to be used.

II. BIOLOGICAL PROPERTIES

1. Methionine is an indispensable amino-acid which participates in synthesis of tissue proteins, vitamins, enzymes and hormones taking part in nitrogen, carbohydrate and fat metabolisms and is the universal source of methyl groups for synthesis of all nucleic acids as well as the sulfur source for sulfonic compounds.

Methionine lack in animals rations causes appetite worsening, anemia, muscles atrophy, liver function derangement, growth velocity reduction of young animals and poultry and animals productivity decrease.

Practically Methionine Feed Grade is completely assimilated by an organism absorbing in thin bowel segment.

III. APPLICATION ORDER

1. Methionine Feed Grade is applied to manufacture premixes, feed mixtures and combined feedstuffs for agricultural animals and poultry.

2. Methionine Feed Grade is added to all-mashes and premixes applying the current blending processes.

Introduction rate of Methionine Feed Grade depends on species, age, physiological state and productivity of agricultural animals as well as on amino acids and protein content in other food ingredients. Methionine Feed Grade is added to all-mashes and premixes according to the current norms of RF, methodical recommendations and amino acids introduction technology.

3. Methionine Feed Grade is compatible with all food ingredients, feed additives and drugs.

4. When using Methionine Feed Grade according to application Instruction, any by-effects are not detected. Contra-indications for application are not established.

10. After Methionine Feed Grade application, the animal produce may be used for nutritional purposes without limitations.

IV. PERSONAL PROPHYLAXIS MEASURE

1. When working with Methionine Feed Grade it's necessary to keep personal hygienic measures and safety precautions prescribed for handling and work with feed additives.
2. To store away from children.

Instruction is developed by JSC "Volzhsky Orgsynthese"

Manufacturer address: 100, Alexandrova str., Volzhsky, Volgograd region, 404117, Russia.

Instruction for Methionine Feed Grade application, approved by Rosselkhoznadzor on March 16, 2017, is abolished after approval of the present Instruction.

Recommended for registration in the Russian Federation by the Federal State Institution "All-Russian State Research Center of quality and standardization of veterinary and medicinal preparations".

Registration number ПБП-2-3.3/01270