

QUALITY EVALUATION OF RAW MATERIALS FOR MIXED FEED AND MIX FEED AS FINAL PRODUCT WITH THE REQUIRED STANDARDS IN REPUBLIC OF MACEDONIA

Valentina Pavlova^{1*}, Necinova Ljupka¹, Gjore Nakov¹, Elena Gjorgjevska², Marija Menkinoska¹, Tatjana Blazevska¹, Viktorija Stamatovska¹

¹Faculty of Technology and Technical Science - Veles, "Ss. Kliment Ohridski" University - Bitola, Petre Prlickov 42, 1400 Veles, Republic of Macedonia

²AGRIA-Agro industry Group, Veles, Factory of feeding stuffs Ovcepolka, Industriski pat bb, 2220 Sveti Nikole, Republic of Macedonia

*e-mail: valentina.pavlova@uklo.edu.mk

Abstract

Mixed feed is the product obtained by mixing nutritional supplements and additives permitted, serving as a full or extra food for feeding animals. Raw material with good quality allows production of effective and qualitative animal feed, allows cultivating healthy animals, which will be basic raw material in the food industry. Having qualitative raw material in the process of food production allows us to produce food products with good quality. To sustain health of people healthy and qualitative products helped.

The aim of this paper is to evaluate the quality of raw materials for mixed feed production, as well as the quality of mixed feed, as final product according to the required standards.

Raw materials for feed production: corn, barley and sunflower meal and different types of mixed feed, were material used in our study. They were obtained from AGRIA. To evaluate the quality of these feed a lot of parameters have been tested: moisture, crude ash, crude protein, and crude fiber, minerals, such as Ca, NaCl and acidity degree.

The values of tested parameters are: moisture 10.4%; crude ash 5.6%; crude protein 18.8%, crude fiber 4.6%, NaCl 0.9% and acidity degree 5.8. These results satisfy are in the range of the standard values, which means that the produced mixed feed from this factory is with high quality and meets the required standards.

Key words: *Mixed feed, Starter, Grower, Finisher.*