

ACTUAL PROBLEMS OF STANDARDIZATION OF FOOD PRODUCTS AND FEED IN THE REPUBLIC OF KAZAKHSTAN

Abdymanap Ospanov¹, Aigul Timurbekova^{1*}, Dulat Zhalelov¹,
Aigul Almaganbetova¹, Dinash Nurdan¹

¹Faculty of Technology and Bioresources, Kazakh National Agrarian Research University,
Abay Avenue 8, 050010, Almaty, Republic of Kazakhstan

*e-mail: timurbekova_aigul@mail.ru

Abstract

Each food company should have its standard that focusses on consumer preferences. In the implementation of the concept of healthy nutrition for the population, one of the main places belongs to food safety. Moreover, the main criterion for evaluating products worldwide is quality, which determines the standard of living of society as a whole and each individual. The food of modern man contains several compounds that can present a potential health hazard. Such compounds primarily include heavy metals, pesticides, nitrates, nitrites, N-nitrosamines, bacteria, and bacterial toxins, as well as toxins of microscopic mold fungi, called mycotoxins. Environmental contaminants pose the greatest danger to human health because they are extremely widespread and are found in almost all types of food products of plant and animal origin. The aim of this research was to make an analysis of the regulatory and methodological framework of the Republic of Kazakhstan for the production of functional food products of the food-concentrate industry, such as: multi-cereal pasta and co-extruded food products of a high degree of readiness on a multi-cereal basis.

As a materials for this research we used regulatory and methodological framework of the Republic of Kazakhstan for the functional food production that were compared with the same in European Union (EU) and the Russian Federation (RF). The article also discusses the importance of applying standards to feed products as an obligatory link in the technological chain of food production. Ensuring the safety of feed is mainly expressed in compliance with the norms regarding harmful substances. The feed safety management system should be changed in accordance with changes in legislation and accordance with other innovations in the field of safety. It should ensure a clear and complete definition, implementation, and compliance with standards of all activities that may have an impact on the safety of feed. At the same time, the problem of lack of technical regulations on feed safety was noted.

The obtained results of the analysis of regulatory and regulatory and technical documents formed the basis for the development of enterprise standards and technical regulations for the production of new food products and feed being developed by us.

Key words: Standardization, Food, Feed, Organization standards, Safety management.