

Analysis of Chemical Composition of Raw Milk in Some Farms Animals in El Khoms, Libya

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Abstract : This study was undertaken to knowledge the chemical composition of some farm animals (cows) by using ultrasonic milk analyzer. This method was used first time in our country in the field of milk hygiene to determine and comparison the composition percent of raw milk for farm animals as attempt to protect the health of consumers 240 raw milk samples for each species of animals included in this study for two different season of year first (Novembe 2014 - January 2015) , second from (May - Novembe2015) .The chemical analysis. In this way, a range of building suitable to put in the Libyan market product structures, and milk, for use as a new product or exposure to treatment such as pasteurized milk and long-life may be wider study project..Controls have been implemented in operating in Libya, companies which are part of the business created by the Libyan state. It was created only after the companies that made many of the studies and research carried out on areas of Libya which it was possible to intervene. Although troops spent in recent years, companies have not yet found their balance and milk production has not yet come to those set forth in the action plans, due to problems of various types that will be discussed in this study. We believe that these data have been taken in four years if analyzed properly, can provide more accurate information to farmers in their companies want to take dairy cattle breeding. The total bacterial count was 76 and 38 cfu/ml for locally produced and imported UHT milk respectively. Coliforms were negative for all examined locally produce and imported samples. E. coli were not isolated from any of the examined UHT samples. Aerobic spore-formers count mean count was 49 and 27 cfu/ml for both examined samples respectively. Obtained results show that most of the locally produced UHT milk does not satisfy the suggested Libyan Standards for UHT milk for fat% as well as total bacterial count/ml. Economical and public health importance of the obtained results were discussed, and control measures for improving the quality of UHT locally made milk were also discussed.

Keywords : locally, UHT milks, farms animals, raw milk analysis milk

Conference Title : ICABBBE 2016 : International Conference on Agricultural, Biotechnology, Biological and Biosystems Engineering

Conference Location : Rome, Italy

Conference Dates : March 21-22, 2016