Determination of AFM\textsubscript{1} in the Raw Milk Producing in Dairy Farms in Chahar-Mahal-Bakhtiari Province Using ELISA.

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Important role of milk in human, especially infancy nutrition is well known. On the other hand, contamination of milk with aflatoxins is considered as a potential risk for human health. In this study the presence of aflatoxin M\textsubscript{1} in 86 samples of raw milk obtained from 86 dairy farms in Chahar Mahal & Bakhtiary by ELISA were analysed. In 41 out of 86 samples (47.70), the presence of aflatoxin M\textsubscript{1} was detected in concentration ranging between 0.286-176.192 ng/l. AFM\textsubscript{1} level in 16 samples (18.6\%) of positive samples were higher than the standard limit (0.05 mg/l) accepted by EU.

In addition, the results showed that there were significant difference between AFM\textsubscript{1} levels in milk with number of cow's in herds and milk yield per kg a day (P<0.05).

Key Words : Aflatoxin M\textsubscript{1}, Milk

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