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Acta Medica Iranica

2009;47(4) : 29-36

INVESTIGATION ON THE AFLATOXIN CONTAMINATION OF THE IRANIAN WHITE CHEESE

V.Parvaneh, M.Shahin, G.Karim, J.Kordi

Abstract:

In this investigation Aflatoxin contamination of eighty different Iranian white cheeses were determined by T.L.C. method. The result of this study showed that, 97.5% of the samples contained Aflatoxin M1 & M2 which are transferred from milk. As far as direct contamination, 30% of the samples contained aflatoxin B1, G1, G2, from which 2.5% contained aflatoxin B1, 5% contained aflatoxin B2, 20% contained aflatoxin G1 and 7.5% were contained aflatoxin G2. The amount of aflatoxin M1 was determined in 21 different samples (Table 3), the maximum amount of 250 µg/kg was found. In this paper, necessary hygienic recommendation was given to prevent and control aflatoxin contamination in cheese and other dairy products.

Keywords:

Iranian white cheese

TUMS ID: 1642

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