

Aflatoxins and ochratoxin A in dried fruits from Iran

H.R. Beheshti, J. Feizy, N. Khoshbakht Fahim, S.S. Fakoor Janati, M. Asadi, S. Mihanparast

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Abstract

A study was undertaken to determine levels of aflatoxins and ochratoxin A in dried fruits such as dried cherry, using a technique preceded by an immunoaffinity clean-up step. For this purpose, a number of 15 samples was analyzed. 13.33 and 6.67% of examined dried cherry samples contained aflatoxin B₁, B₂ and ochratoxin A. Recoveries were found to be 92.9, 96.7 and 99.2% for aflatoxin B₁, aflatoxin B₂ and ochratoxin A, respectively, while the detection limit for aflatoxin B₁, G₁ and ochratoxin A were 0.2 ng g⁻¹ and for aflatoxin B₂ and G₂ were 0.1 ng g⁻¹.