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Original Articles

Occurrence of aflatoxin M_1 in randomly selected North African milk and cheese samples

A. M. Elgerbi, K. E. Aidoo, A. A. G. Candlish & R. F. Tester

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Abstra

Forty-nin ... eese were collecte ... d analysed for the p ... high-perfo ... tification. Thirty ... 3 and 3.13 ng ml^{-1} ... contami ... ml^{-1} showed ... coefficients of variat ... white soft cheese s ... tween 0.11 and 0.52 ... AFM_1 spiked with different concentration of AFM_1 (0.1, 0.5, 1.0 and 3.0 ng g^{-1}) showed average

recoveries of 63.23, 78.14, 83.29 and 88.68%, with coefficients of variation of 1.53, 9.90, 4.87 and 3.79%, respectively. The concentrations of AFM_1 were lower in the cheese products than in the raw milk samples.

Keywords:

aflatoxin M1 | cheese | milk | immunoaffinity columns | high-performance liquid chromatography (HPLC)

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