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

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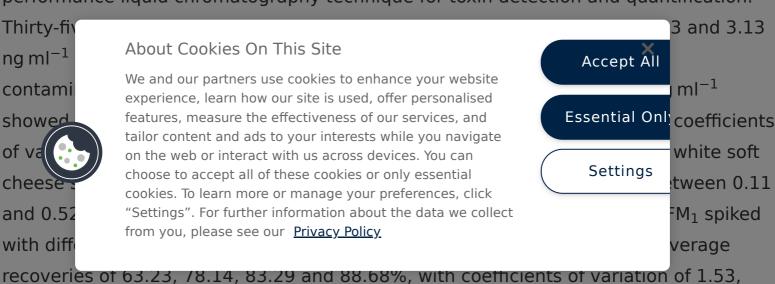
Abstract

Forty-nine samples of raw cow's milk and 20 samples of fresh white soft cheese were collected directly from 20 local dairy factories in the north-west of Libya and analysed for the presence of aflatoxin M_1 (AFM₁). The samples were analysed using a highperformance liquid chromatography technique for toxin detection and quantification.

Thirty-fi $ng ml^{-1}$ contami showed cheese and 0.52 with diff

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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.

Q Keywords: aflatoxin M1 cheese milk immunoaffinity columns

high-performance liquid chromatography (HPLC)

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