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Entitled

SYNTHETIC FOOD ADDITIVES IN SELECTED BEVERAGES SOLD IN THE UAE

by

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Abstract

The consumption of beverages is increasing with the globalization. Synthetic food additives may cause potential risks to human health. The objective of this thesis was to analyze selected food additives in beverages sold in UAE and to ensure that their levels are within the maximum permitted levels established by CODEX. Thirty beverages were analyzed for their contents of eighteen additives, including eleven synthetic colors, two sweeteners, and five preservatives, using high-performance liquid chromatography with diode array detector. All additives in the studied beverages were within the permitted level according to CODEX standards, and there is no concern regarding the additives in beverages.

Keywords: Beverages, food additives, synthetic color, artificial sweetener, preservatives, CODEX, high-performance liquid chromatography (HPLC).