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SCREENING OF ADULTERANTS IN THE MILK AND DAIRY PRODUCTS OF DELHI REGION -A CASE STUDY

Sonal Gahlawat^a, Suman Kumari^a, Neelima Boora^b and Kameshwar Sharma YVR^{c*}

^aLife Sciences, Sri Venkateswara College, University of Delhi, Dhaula Kuan, New Delhi-110021.

^bBiological Sciences, Sri Venkateswara College, University of Delhi, Dhaula Kuan, New Delhi-110021.

^cDepartment of Biochemistry, Sri Venkateswara College, University of Delhi, Dhaula Kuan, New Delhi-110021.

Email:sharmabiochem@gmail.com

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Abstract

The present research focuses on the adulteration in milk and milk samples collected from four directions of Delhi- North Delhi, South Delhi, East Delhi and West Delhi. For this various color tests were done and various samples were analyzed with the adulterants like Cereal Starch, Vanaspati, Formalin, Skim milk powder, Microorganisms, Soap, Metanil yellow, Coal tar dyes, Dalda. The presence of starch was detected in every milk sample while formalin was found in none of the samples. Also none of the milk samples were tested positive with respect to the presence of dissolved soap and skim milk powder. Moreover, West Delhi and South Delhi milk samples showed the presence of microorganisms and in rest of the samples, microorganisms were absent. All the Ghee samples contained vanaspati as an adulterant and none could report the presence of coal tar dyes. Metanil yellow was not reported in any of the sweet samples made from milk.

Key words: Adulteration, microorganisms, formalin.

Introduction

With the widespread interest given to foods, not alone by the scientists and manufacturers and distributors, but also by the legislators and consumers, no time is more appropriate for the appearance of an authentic manual on this subject, than the present ^[1]. Adulteration can be defined as the inclusion in foods of constituents whose presence is prohibited by regulation, custom and practice or “making impure by adding inferior, alien or less desirable materials