

Detection of Selected Heavy Metals in Raw Milk: Lahore, Pakistan

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Abstract : Milk plays a significant role in the dietary requirements of human beings as it is a single source that provides various essential nutrients. A study was conducted to evaluate the heavy metal concentration in the raw milk marketed in Data Gunj Baksh Town of Lahore. A total of 180 samples of raw milk were collected in pre-monsoon, monsoon and post-monsoon season from five colonies of Data Gunj Baksh Town, Lahore. The milk samples were subjected to heavy metal analysis (Cr, Cu) by atomic absorption spectrophotometer. Results indicated high levels of Cr and Cu in post-monsoon seasons. Heavy metals were detected in milk in all samples under study and exceeded the standards given by FAO.

Keywords : atomic absorption spectrophotometer, chromium, copper, heavy metal

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