

Analysis of Radioactive Substances Present in Various types of Milk Powders used in Sri Lanka

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The objective of this study was to ascertain the presence of radio-nuclide in various brands of milk powder marketed in Sri Lanka. Our main aim was to detect possible presence of ^{137}Cs (mean life = 44 years) in the samples. Since 6% of all ^{235}U fission produces a ^{137}Cs nucleus within about five minutes in a nuclear fallout, it is a particularly dangerous radioactive isotope if released in the atmosphere.