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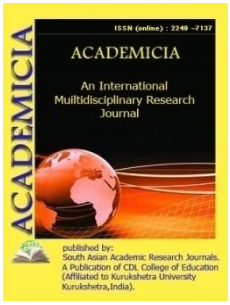

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REVIEW ON DETERMINATION OF HEAVY METALS IN PAN MASALA/SMOKELESS TOBACCO

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ABSTRACT

This study is based on an examination of numerous studies on the topic of heavy metal in pan masala/smokeless tobacco. Heavy metals have been utilized in a variety of pan masala/smokeless tobacco products. The acid-digestion procedure is utilized to prepare samples in the majority of tests. Atomic Absorption Spectrometry is the most frequently employed confirmatory method, although inductively coupled plasma Atomic Emission Spectrometry was utilized in certain studies. According to studies, the use of some cosmetic products exposes users to tiny quantities of dangerous heavy metals, which may create health issues if they remain in biological processes over time. Certain companies went beyond the regulations and utilized high quantities of heavy metal impurities, causing toxicity. The studies examined the concentrations of different metals as well as the concentration of a metal in various brands. The investigations performed to evaluate the health hazards connected with its toxicity. It was also found that, although the usage of heavy metals in some brands is below the legal limit, they nevertheless represent a considerable risk to people. Both of these studies are being performed in order to identify which brands of pan masala offered in our market are in violation of the regulations and to bring to the notice of the authorities. As well as educating young people, both men and women, of the risks it presents to their health.

KEYWORDS: *Blood, Heavy Metals, Lead, Pan Masala, People, Poisoning, Symptoms, Smokeless Tobacco, Toxicity.*

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