

Abstract

Research Title : Atomic Absorption Measurement of Heavy Metal in Dry Longan

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Dry longan may contaminate with heavy metals that are toxic to the body. Those of them come from soil, water and air, which is the cultivation of plants. In addition, each longan has the capacity to accumulate heavy metals or elements of various kinds. This study aimed to investigate the results of analyzing heavy metal by Atomic Absorption Spectrometry (AAS) techniques. This technique used to analyze heavy toxic metals (As, Pb, Cd, Cu, Zn) in samples. The study found that the heavy metals which were found in samples not higher than the standard value of Thailand National food Institute. This data should be used to build database for dry longan and consumption in Thailand.