Determination of the Iron Content in the Various Beans

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Abstract

In this M-Research Thesis, various beans were selected for chemical analysis. They are collected from Panglong Township, Southern Shan State, Myanmar. The iron content in various beans have been analytically and statistically assayed by using Atomic Absorption Spectrophotometric techniques and methods.

The spectrophotometric technique used was the significant method for the determination of iron content from those samples.

In this method, α, α' _ Dipyridyl was an indicator reagent used to determine the iron content of all the samples studied.

From this investigation, significant iron content in selected various beans were determined and as it was found to be the marginal and essential amount for persons suffering from iron deficiency. The essential intake of 2.24 mg will be sufficient intake from diseases prone to iron deficiency.

Keywords: Iron, Beans, A A S, α , α' _ Dipyridyl complexing agent

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