

Formulation and Evaluation of Moringa Herbal Tablet

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Abstract: *Moringa tablet as phytopharmaceutical herbal due to the ability of Increasing the 58% hemoglobin level in pregnant women as well as Preventing the decrease of serum ferritin by 50% leading to anemia. Recently, the need of easy-to-dissolve tablet has been increased upon the Natural extract and therefore, the choice of effervescent dosage form is Highly preferable. This study was aimed at designing the optimal Composition of antianemia effervescent drug based on Moringa oleifera Lam. Leaves extract. Effervescent tablets were prepared In four formulas based on acid-base (1:2 and 1: 3) and taste variations (i.e.Lemon and strawberry). The tablet was formulated using wet granulation Method. Prior to tablet compressing, the granules were tested for the Physical properties including water content, contact angle, flowability, Tapped index, compactibility, and granule density. The four designed formulas Show excellent properties either for granules or tablet forms. All formulas Showed acceptable physical properties of granules and tablets. In regards Of acceptability, all formulas yield a fairly bitter taste which is possibly due To the tannins and phenolic compounds of the extract. Addition of flavoring Agents, such as lemon and strawberry, is unable to mask the bitter taste of The final tablet. Herein, the first Moringa leaves effervescent tablet Prepared using wet granulation was successfully formulated. This study is Possibly advantageous as the bottom line for the further formulation of Moringa oleifera Lam.-based effervescent..*

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