

Formulation and Evaluation of Polyherbal Cough Syrup using *Madhuca Longifolia*

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Abstract: *The formulation and evaluation of polyherbal cough syrup represent a significant stride in addressing respiratory health. This study focuses on combining various medicinal herbs to create an effective cough remedy. The formulation process involves meticulous selection and blending of herbs known for their therapeutic properties, aiming to enhance the syrup's efficacy in relieving cough symptoms. The evaluation phase encompasses a comprehensive analysis of the polyherbal syrup, including physicochemical parameters, stability, and sensory attributes.*

The polyherbal cough syrup is crafted with precision, considering the synergistic effects of individual herbs to maximize therapeutic benefits. Notably, the inclusion of diverse herbal components seeks to provide a holistic approach to cough relief, targeting various aspects of respiratory discomfort. The study employs standardized methods to assess the syrup's viscosity, pH, microbial stability, and overall quality.

Through systematic evaluation, the research aims to validate the safety, efficacy, and acceptability of the polyherbal cough syrup. The findings contribute valuable insights into the development of a well-tolerated and potent remedy for cough management. This research aligns with the increasing interest in herbal formulations, emphasizing a natural and holistic approach to healthcare. The formulation and evaluation of this polyherbal cough syrup offer a promising avenue for advancing herbal medicine in the context of respiratory wellness.

Keywords: *Madhuca Longifolia, Polyherbal, Synergistic effect, Holistic approach*