

## Formulation and Standardization of Poly Herbal Syrup

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### ABSTRACT

The aim of this work is to prepare and evaluate the poly herbal cough syrup. This formulation contains *Solanum trilobatum*, *alpinia calcarata* and *glycyrrhiza glabra* which are unpalatable in nature and the study is aimed to increase the palatability as syrup formulation. The plants were authenticated and the extractions are carried out by the process of simple decoction. Then the extracts are subjected to preliminary phytochemical analysis for the presence of phytoconstituents by standard methods. The prepared formulations were evaluated for colour, odour, taste, pH, specific gravity and stability testing. The pH determination was carried out by using digital pH meter. Specific gravity was determined by using pycnometer. Stability testing was performed on keeping the samples at accelerated temperature conditions. Final syrup were taken in an amber coloured glass bottle were kept at various temperature at 4°C, 37°C, 47°C. The samples were tested for all the physicochemical parameters, turbidity and homogeneity at the interval of 24 hrs, 48 hrs, and 72 hrs to observe any changes. The final syrup found to have pH 5.0 and specific gravity 1.1610g/ml, reddish grey colour, pleasant odour and sweet taste. The result of stability study of final syrup reveals that no changes were noticed in all the tested parameters. The prepared oral liquid polyherbal syrup formulation was highly palatable, thus the syrup could be suitable dosage form to treat cough.