

## Quantitative estimation of piperine, gallic acid, tannins and phenols in *Avipattikar Churna*- a polyherbal Ayurvedic formulation

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### Abstract

Standardization of herbal formulations is essential in order to assess the quality of drugs, based on the concentration of their active principles. The quality controls of various herbal formulations used in traditional systems of medicine are becoming more relevant today in view of commercialization of such formulations based on medicinal plants. The present work reports on standardization of *Avipattikar churna* (AC), a poly herbal Ayurvedic powder formulation used as remedy for gastritis and complications associated with it like headache, nausea and vomiting. It is also used as laxative and helps to increase appetite. In-house formulation of AC and its two commercial preparations have been evaluated for the content of tannins, phenols (by spectrophotometric method), piperine and gallic acid (by HPTLC analysis). The set parameters were found to be sufficient to maintain the efficacy of the formulation and can be used as reference standards for the quality assurance by pharmaceutical houses.

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