

# STANDARDIZATION OF SAPTASARA KVATHA CHURNA BY CHEMICAL METHODS

Gayathri Devi.v<sup>1</sup>, Anitha John<sup>2</sup> and P.K.S.Nair<sup>3</sup>.

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## Abstract

*Standardization ensures the quality of medicines and gives authenticity to the medicines prepared by the manufacturers, prescribing physicians and consumers. This paper deals with the standardization of an Ayurvedic formulation, Saptasara Kvatha Churna by carrying out a detailed analysis. Saptasara Kvatha Churna is an Ayurvedic formulation commonly used for Agnimandya, Malabandha, Hastashula, Artavashula, Gulma, Pliharoga etc. Kvatha Churnas are combinations of certain coarsely powdered drugs which are used for preparation of Kashaya. Saptasara Kvatha Churna consists of seven ingredients. The formulation used for the study was prepared by the Clinical Research Section, Regional Research Institute, Thiruvananthapuram as described in the Ayurvedic formulary of India. The ingredients devoid of any foreign matter and microbial contamination which were authenticated by Survey & Pharmacognosy Section, R.R.I, Thiruvananthapuram and checked for their*

*quality were used for the preparation. The raw drugs were washed, dried, coarsely powdered, weighed as per the formula and then mixed well. Then it was kept in air tight container. The physico-chemical parameters like loss on drying at 105° C, total ash, acid insoluble ash, water soluble ash, water soluble extractives, alcohol soluble extractives, swelling index, foaming index, pH value, fibre content, tannin content and volatile oil were determined. TLC profiles of the methanolic extract of the Kvatha Churna with that of the ingredients and marker compound were taken. The HPLC and IR fingerprint were also taken which contribute to a great extent for standardization. The Kvatha Churna was tested for the presence of heavy/toxic metals - Lead, Cadmium, Arsenic and Mercury. The shelf-life period of the formulation was also studied. The parameters obtained for Saptasara Kvatha Churna serves the purpose of reasonable and dependable standards for this preparation.*

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1 & 2. Assistant Research Officer, and 3. Research Officer, Regional Research Institute Poojapura, Thiruvananthapuram