

Standardization of Cardimap Tablet (Poly Herbal Formulation) using Multiple Markers

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Cardimap tablet was standardized by modern scientific Quality control Procedures. Marketed formulation standardized according to WHO guideline for herbal drug standardization using Lab prepared formulation. According to recent approach of standardization validated HPTLC methods using multiple markers such as Reserpine, Scopoletine, Piperine, Bacoside A and Lupeol were developed, both the formulation viz. marketed and lab formulation of Cardimap tablet complies all the quality control parameters according to WHO guideline. High Performance Thin Layer Chromatography method for each marker compound showed a linear relationship with minimum $r^2 = 0.998$ in the concentration range studied. The present methods were found to be precise of 0.03 to 0.7865 %RSD, specific, and accurate with a recovery of 99–101%, and hence can be used for routine analysis of this formulation. Standardization of marketed formulations using lab preparation according to WHO guideline highlights that marketed formulation is of comparable quality with lab preparation, further developed single HPTLC method could be used for standardization of marketed formulation using each marker for each plant of the formulation. This method could be used as routine quality control tool for standardization of this polyherbal formulation.

Biography:

Ms. Monika Balubhai Sangani has completed her M. Pharm at the age of 23 years from Gujarat Technological University and she received grant from Government of India by Passing Graduate Pharmacy Aptitude Test (GPAT) and she is pursuing Ph. D studies from Saurashtra University, Department of Pharmaceutical Sciences, Gujarat, India.