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Development of Analytical Method for Quality Control of Polyherbal Formulation

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Abstract: *The objective of these research work was to develop a simple, rapid and reliable HPTLC method for standardization for antidiabetic formulation. Development of method carried out by using Gymnemic acid and Berberine as bioactive marker reported to have an antidiabetic activity. Chromatographic analysis was performed using silica gel 60 F254 TLC plate, CAMAG Linomat 5 applicator and solvent system consisting of toluene: ethyle acetate: methanol: formic acid (6:2:1.5:0.5) and Ccl4: methanol: acetic acid (4:1:0.5). Densitometry scanning performed under reflectance absorbance mode at 360 nm to identify the spot. The Rf value of gymnemic acid and Berberine was found to be 0.03 and 0.11 respectively. No analytical method has been reported so far associated with polyherbal formulation associated with polyherbal formulation (Mahantak vati) containing Gymnemic acid and Berberine on antidiabetic activity.*

Keywords: Polyherbal formulation, marker compounds, HPTLC method development.

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