

Quantitative Determination of Chemical Markers in Poly Herbal Cough Syrups: A Systemic Review

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Payal Chauhan*, Falguni Tandel, Rakesh Parmar

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Abstract: Polyherbal medicines are not a simple task as many traits impact the biological efficacy and reproducible therapeutic effect. Polyherbal Cough preparations used for its antitussive activity from an ancient time. Pharmacological properties of an herbal formulation depend on Phyto constituents present. An overview covering various techniques employed in extraction and characterization of different herbal cough syrups. An overview covering various analytical techniques employed in quantification of markers in different marketed herbal cough syrups. The regulatory approvals to ascertain consistent chemical profile and biological activity of future drug candidate include reproducibility by repetitive testing using different batches to control batch-to-batch variation and development of standard assay markers. New approaches enable analysts to separate and determine biomarkers in complex mixtures of herbal formulations. Various marketed herbal cough syrups like Adulsa syrup, Honitus syrup, Herbal cough syrup, Linkus Syrup, Poly herbal Cough syrup, Echinopsechinatus Roxb. Herbal Cough Syrup and Zeal syrup are studied for their plant part used therapeutic activity and phytochemical quantification.

Keywords: Phytoconstituent, HPLC, HPTLC, Poly Herbal Formulation.

Payal Chauhan*, Department of Pharmaceutical Chemistry and Pharm. Analysis, Ramanbhai Patel College of Pharmacy, Charotar Institute of Science and Technology, CHARUSAT Campus, Changa, Gujarat, India.

Email: payalmpharm@gmail.com

Falguni Tandel, Department of Quality Assurance, Parul Institute of Pharmacy, Limda, Vadodara, Gujarat, India.

Rakesh Parmar, Department of Pharmaceutics, Parul Institute of Pharmacy and Research, Limda, Vadodara, Gujarat, India.