

Development and validation of analytical method for estimation of Antitussive drugs or NSAIDS in multi drug dosage form by HPLC

**A.G.Sinhe^{*1}, A.V.Chandewar², N.S.Bhajipale¹, V.M.Vaidya¹, S.P.Deshmukh¹,
Sevak N Khadatkar³,**

¹S.G.S.P.S Institute of pharmacy Kaulkhed, Akola-444004, India

²P Wadhawani college of pharmacy, Yavatmal, India

³Geetadevi Khandelwal Institute of Pharmacy, Akola, MH-India

Abstract : A Simple, accurate and precise RP-High performance liquid chromatography (HPLC) Method has been development and validation of analytical method for the estimation of Antitussive drugs or NSAIDS in multi drug dosage form. The method has been validated as per the guidelines of ICH. The separation is achieved on Kinetics C18,250×4.6mm,5 micron. Column with flow rate 1.20ml per minutes in gradient modes using Buffer pH-2.5(water modified with OPA) as a mobile base. column oven temperature is maintained at 25⁰c. the method is simple, accurate, reproducible and less chemical using and can be used for simultaneous analysis of NSAID'S and Antitussive drugs.

Keyword : Paracetamol,Dextromethorphan,Iupfofen,Buffer-2.50(OPA).

A.G.Sinhe *et al* /International Journal of ChemTech Research, 2018,11(02): 377-386.

DOI= <http://dx.doi.org/10.20902/IJCTR.2018.110245>
