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(54) Title of the invention : FORMULATION DEVELOPMENT & EVALUATION OF PANTOPRAZOLE DELAYED RELEASE TABLET

<p>(51) International classification :A61K0009200000, A61K0009280000, A61K0009500000, A61K0031443900, G06F0008410000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Ms. Pooja Malik Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh – 244102 Moradabad ----- 2)Dr. Prashant Upadhyay 3)Dr Sushil Kumar 4)Mr. Navneet Thakkar 5)Ms. Shivani Saxena 6)Mr. Shivam 7)Ms. Payal Malik Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Ms. Pooja Malik Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh – 244102 Moradabad ----- 2)Dr. Prashant Upadhyay Address of Applicant :Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code:244102 Moradabad ----- 3)Dr Sushil Kumar Address of Applicant :Professor, School of Pharmaceutical Sciences, IFTM University, Lodhipur Rajput, Delhi Road (NH-24), Moradabad, Uttar Pradesh, 244102 Moradabad ----- 4)Mr. Navneet Thakkar Address of Applicant :Research Scholar, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh – 244102 Moradabad ----- 5)Ms. Shivani Saxena Address of Applicant :Assistant Professor, Rakshpal Bahadur College of Pharmacy, Bareilly, Uttar Pradesh – 243001 Bareilly ----- 6)Mr. Shivam Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh – 244102 Moradabad ----- 7)Ms. Payal Malik Address of Applicant :Student, School of Biotechnology, IFTM University, Moradabad, Uttar Pradesh – 244102 Moradabad ----- -----</p>
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(57) Abstract :

The present invention relates to the formulation development and evaluation of pantoprazole delayed release tablet. Pantoprazole delayed release tablets were prepared by using the Wet granulation method. Wet granulation method was planned using different concentration of binder (starch paste) along with two different solvent water and IPA. The development Process of Delayed release pantoprazole tablets was carried out in three stages. Optimization of alkaline stabilizer was performed in first stage, Seal coating weight gain was optimized in second stage and in final stage optimization and comparative evaluation of enteric coating polymer was performed. Based on % CDR it was concluded that as percentage of enteric coating was increase on seal coated tablet it retards drug release during first two time point. Optimum percentage enteric coating was selected based on highest f2 value. It was concluded that 12 % enteric coating on seal coated tablet gave best results.

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