

(54) Title of the invention : ANTI-ACNE ADHESIVE FORMULATION AND METHOD OF PREPARATION THEREOF

<p>(51) International classification :B01J0037020000, A61K0047340000, A61K0008730000, C09D0005000000, H01M0004131000</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)Noida Institute of Engineering and Technology Address of Applicant :Plot 19, Knowledge Park- 2, Institutional Area Greater Noida Uttar Pradesh India Greater Noida -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Rashmi Mishra Address of Applicant :Department of Biotechnology, Noida Institute of Engineering and Technology, Plot 19, Knowledge Park- 2, Institutional Area Greater Noida Uttar Pradesh India 201306 Greater Noida -----</p> <p>2)Dr. Pratibha Pandey Address of Applicant :Department of Biotechnology, Noida Institute of Engineering and Technology, Plot 19, Knowledge Park- 2, Institutional Area Greater Noida Uttar Pradesh India 201306 Greater Noida -----</p> <p>3)Dr. Fahad Khan Address of Applicant :Department of Biotechnology, Noida Institute of Engineering and Technology, Plot 19, Knowledge Park- 2, Institutional Area Greater Noida Uttar Pradesh India 201306 Greater Noida -----</p> <p>4)Dr. Sujeet Kumar Singh Address of Applicant :Department of Biotechnology, Noida Institute of Engineering and Technology, Plot 19, Knowledge Park- 2, Institutional Area Greater Noida Uttar Pradesh India 201306 Greater Noida -----</p>
---	---

(57) Abstract :

The anti-acne formulation comprises of a) a bio-degradable polymer in the range of 60%-80% w/w, b) an antioxidant herb in the range of 25%-45% w/w, and c) an anti-acne agent in the range of 12%-25% w/v, d) solvent in the range of 75%-95%w/w, humectant in the range of 10%-20% w/v, plasticizing agent in the range of 5%-10%. A method for preparation of the formulation comprising the steps of adding bio-degradable polymer in the solvent water to obtain a solution, adding the anti-oxidant herb in the solution followed by addition of the anti-acne agent to obtain a suspension, introducing the humectant and plasticizing agent to the suspension in order to obtain a drug solution, stirring the drug solution for a period of 20-40 min to obtain a fine mixture, pouring the mixture on a petri dish followed by drying at a temperature in the range of 50 -70 for 3-5 hrs.

No. of Pages : 16 No. of Claims : 9