

(54) Title of the invention : A TOPICAL GEL FORMULATION COMPRISING MICROSPONGES OF BASIL OIL AND PROCESS OF PREPARATION THEREOF

<p>(51) International classification :A61K0009000000, A61K0009060000, A61Q0019000000, A61K0047100000, A61K0047020000</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 :</p> <p>1)Chitkara University Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. -----</p> <p>2)Chitkara Innovation Incubator Foundation Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)RATHI, Ritu Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. -----</p> <p>2)NAGPAL, Manju Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. -----</p> <p>3)ARORA, Sandeep Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. -----</p> <p>4)SINGH, Varinder Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. -----</p> <p>5)SINGH, Thakur Gurjeet Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. -----</p>
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(57) Abstract :

The present disclosure relates generally to pharmaceutical compositions. More specifically, the disclosure is directed to a topical gel formulation comprising microsponges of Basil oil, ethyl cellulose, and polyvinyl alcohol; and one or more gelling agent(s). The present disclosure also provides a process of preparation of the formulation. The microsponges of the formulation help stabilize the volatile and aqueous insoluble Basil oil for topical applications. The formulation is also capable of providing high entrapment efficiency for the oil and good drug release profile.

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