

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202641001115 A

(19) INDIA

(22) Date of filing of Application :06/01/2026

(43) Publication Date : 16/01/2026

(54) Title of the invention : A METHOD OF PREPARING A 4% TOPICAL GEL USING CALENDULA OFFICINALIS EXTRACT FOR THE TREATMENT OF GUM DISEASES

(51) International classification	:A61K 36/28, A61K 9/06, A61K 8/97, A61K 36/00, A61K 8/9789	(71)Name of Applicant : 1)JSS Dental College & Hospital, JSS Academy of Higher Education & Research (Deemed to be university) Address of Applicant :Sri Shivarathreshwara Nagara, Mysuru, Karnataka, India-570015 Mysore Karnataka India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Dr. Suman Basavaraju
(33) Name of priority country	:NA	2)Dr. Anitha Subbappa
(86) International Application No	:	3)Dr. Radhika Muralidharan
Filing Date	:01/01/1900	4)Dr. Hemanth Kumar S
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A METHOD OF PREPARING A 4% TOPICAL GEL USING CALENDULA OFFICINALIS EXTRACT FOR THE TREATMENT OF GUM DISEASES
ABSTRACT 5 A method (500) of preparing a 4% topical gel using calendula officinalis extract for the treatment of gum diseases is provided. The method (500) includes extracting (502) dried flowers of calendula officinalis using a solvent to form an extracted solution and filtering the extracted solution. The method (500) further includes concentrating (504) 10 the extracted solution using a rotary evaporator under reduced pressure at about 45°C to form a concentrated extract of calendula officinalis and storing the concentrated extract of calendula officinalis at 4°C. The method (500) further includes weighing (506) about 4 grams of the calendula officinalis extract and mixing the 4 grams of the calendula officinalis extract with 1 gram of Carbopol 940, 1 gram of triethanolamine, and 15 0.2 gram of methyl paraben to form a mixture. The method (500) further includes adding (508) the mixture to about 100 ml of distilled water to prepare a 4% topical gel. [FIG.5]
No. of Pages : 25 No. of Claims : 9