

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202441053850 A

(19) INDIA

(22) Date of filing of Application :15/07/2024

(43) Publication Date : 16/01/2026

(54) Title of the invention : FORMULATION OF LYOPHILIZED ORANGE JUICE TABLETS

(51) International classification	:A61K0009190000, A23L0002060000, B01D0011020000, A23L0002020000, G07F0013060000	(71)Name of Applicant : 1)JSS College of Pharmacy, Ooty - JSS Academy of Higher Education & Research Address of Applicant :JSS COLLEGE OF PHARMACY, ROCKLANDS, NEAR ROSE GARDEN, OOTY-643001 Ooty Tamil Nadu India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Dr. Deepalakshmi M
(33) Name of priority country	:NA	2)Dr. Shanmugam R
(86) International Application No	:NA	3)Dr. Arun K P
Filing Date	:NA	4)Akila A
(87) International Publication No	: NA	5)Kailash Kumar
(61) Patent of Addition to Application Number	:NA	6)Sanjay V
Filing Date	:NA	7)Yogesh V
(62) Divisional to Application Number	:NA	8)Subhajit Dutta
Filing Date	:NA	

(57) Abstract :

Formulation of lyophilized orange juice tablets. Fresh orange juice is extracted from naturally available oranges (specifically indigenous Nagpur oranges) and deep freeze at -20 degree centigrade wherein the extract kept at the deep freeze is further lyophilized at -80 degree centigrade in order to obtain lyophilized orange powder. The lyophilized orange powder is mixed and blended with sodium bicarbonate, mannitol, 58.18: 28.19: 4.55: 6.82: 2.27ratios and 37o C temperature. The mixture is further prepared into tablets in order to obtain lyophilized orange juice tablets that are rich in nutrients and vitamins essential for human consumption. [FIG. 1]

No. of Pages : 11 No. of Claims : 1