

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 02/2025
ISSUE NO. 02/2025

शुक्रवार
FRIDAY

दिनांक: 10/01/2025
DATE: 10/01/2025

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : TOPICAL KETOCONAZOLE EMULGEL FORMULATIONS FOR ENHANCED DRUG DELIVERY AND TREATMENT OF SKIN FUNGAL INFECTIONS

(51) International classification :A61Q001900000, A61K000900000, A61K0031496000, A61P0031100000, A61K0047140000

(86) International Application No :NA
 Filing Date :NA

(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

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(57) Abstract :
 The present invention relates to a novel ketoconazole gel formulation designed for the effective topical treatment of fungal infections. The gel contains 1% ketoconazole, combined with xanthan gum and guar gum as gelling agents, ensuring optimal viscosity and stability. The formulation includes penetration enhancers such as propylene glycol, liquid paraffin, and emulsifiers (Span 20 and Tween 20) to improve skin penetration and spreadability. Preservatives like methyl paraben and propyl paraben are incorporated to extend the shelf life and maintain the efficacy of the gel. The composition is designed to be non-irritating while promoting hydration and moisturizing effects on the skin. This formulation provides a stable, effective, and easy-to-use gel for the treatment of fungal infections, offering improved skin absorption and sustained action of ketoconazole.

No. of Pages : 16 No. of Claims : 2