

Formulation and Evaluation of Polyherbal De-Tan Cream

Someshwar Kalyan Gaikwad¹, Rutuja Santosh Gaikwad², Siddhesh Kedarnath Kanpile³,
Sahil Sikandar Patel⁴, Pratik Balasaheb Pawade⁵

Students, Samarth Institute of Pharmacy, Belhe, Junnar, Pune, Maharashtra, India^{1,3,4,5}

Department of Pharmaceutics, Samarth Institute of Pharmacy, Belhe, Junnar, Pune, Maharashtra, India²

Abstract: *This study presents a formulation for a polyherbal de-tan cream aimed at addressing skin tanning and pigmentation issues. The cream incorporates a blend of herbal extracts including aloe vera gel, liquorice extract, turmeric extract, and green tea extract, renowned for their skin-brightening and anti-inflammatory properties. Emollient natural oils such as almond oil and coconut oil are combined with shea butter to provide hydration and nourishment to the skin. The emulsifying wax and glycerol monostearate facilitate the emulsification process, resulting in a smooth and creamy texture. Distilled water is added to achieve the desired consistency. Essential oils can be optionally included for fragrance. Additionally, a broad spectrum preservative is incorporated to ensure product stability and safety. The formulated cream is intended for topical application, targeting areas prone to tan and pigmentation. The emulsification process, facilitated by emulsifying wax and glycerol monostearate, culminates in a luxuriously creamy texture that effortlessly absorbs into the skin, delivering potent botanical actives to targeted areas. Distilled water serves as a pivotal ingredient in achieving the desired consistency, enhancing spreadability while maintaining the cream's lightweight feel. Ultimately, this polyherbal de-tan cream formulation represents a holistic approach to skincare, addressing not only surface-level concerns but also nurturing skin health from within. Through its multifaceted action, the cream endeavours to empower individuals to reclaim their natural glow while fostering a deeper connection to botanical remedies*

Keywords: Polyherbal formulation, de-tan cream, herbal extracts, skin brightening, pigmentation