

Preparation and Evaluation of Herbal Under-Eye Cream

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Abstract: *The present work deals with the formulation and evaluation of a herbal under-eye cream prepared with licorice (Glycyrrhiza glabra) extract and aloe vera (Aloe barbadensis) gel. Under-eye skin is extra sensitive and vulnerable to dark circles, puffiness, dryness, and premature signs of aging caused by stress, lack of sleep, sun exposure, and environmental conditions. The purpose of this formulation is to offer a mild substitute for chemical cosmetics, providing therapeutic benefits through herbal ingredients.*

Licorice has been reported to possess intense anti-inflammatory, antioxidant, and skin-lightening activity due to the presence of constituents such as glycyrrhizin and glabridin. Aloe vera is well known for its moisturizing, calming, and healing effects owing to the content of polysaccharides, vitamins, and minerals. The cream was formulated by emulsifying a mixture of natural oils, waxes, and aqueous ingredients with the herbal extracts.

The final product was analyzed for physicochemical properties like pH, spreadability, viscosity, homogeneity, and stability. The formulation had a perfect pH for application on the skin (5.5–6.5), exhibited smooth texture, and was stable under different conditions of storage. The findings proved the efficacy of this herbal product to correct the under-eye skin condition by diminishing pigmentation, puffiness, and dryness and hence a potential and safe herbal option for daily dermatocare.

Keywords: Herbal cream, Under-eye care, Licorice extract, Aloe vera gel, Natural formulation, Skin lightening, Anti-inflammatory

