

# Study of Plant Bio-Active Compound used as a Natural Preservative for the Cosmetic Product Like Cream and Gel

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**Abstract:** *Skin care is the main part of a person's overall appearance. Our daily routine we use cosmetics which most of them are synthetic product. Many herbal product industries use synthetic material as preservatives like methyl paraben, propyl paraben, butyl paraben which are preserve cosmetic product long life. But some of them carcinogenic. The plant is having antibacterial, antifungal, antioxidant, anthelmintic, carminative, aromatic, stimulant, expectorant, anti-inflammatory properties. Many plant extracts, spices, essential oils having property to kill the micro-organism or to stop their growth and preserve cosmetic product long life. In this study main aim is to estimate moisture content and stability at different temperature. Physicochemical test for herbal cosmetics and analysis of Microbial assays. Preservatives are commonly used to prevent microbial growth and spoiling of the cosmetic products. Plant selected for natural preservatives were dose not change in their pH, moisture content, texture, stability of herbal cosmetic products at 15 days of interval.*

**Keywords:** Skin care, Cosmetics, Microbial Assay, natural Preservatives