

# Formulation and Evaluation of Face Pack

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**Abstract:** *The purpose of this work is to prepare a face pack from natural ingredients. we know about natural ingredients. Herbal ingredients are very useful to our skin. Our skin is very sensitive that's why we prepared a cosmetic face pack from only natural ingredients for the removal of tan, remove dirt, and whitening skin. We prepared two samples, sample A and sample B and performed or checked their organoleptic characteristics, physical characteristics such as odour, irritancy, colour, with their side effects. because natural ingredients, sample have minimum side effects.*

**Keywords:** Formulation, Evaluation, Herbal, Cosmetics, Ingredients

## I. INTRODUCTION

Cosmetics are products used to make the body look different. Cosmetic means any formulation applied to body for cleansing, beautifying, and promoting attractiveness.<sup>1</sup> Cosmetics are mainly used by women for treating their skin. Cosmetics have many types. Facial cosmetics are prepared by natural or synthetic ingredients. Natural ingredients have no side effects or minimum side effects Herbal cosmetic represents cosmetic associated with active ingredients, nutraceuticals or pharmaceuticals.<sup>2</sup>

The face pack is used for tret skin roughness or chapped skin, prevents pimples, tret oily skin, prevents spots or freckles due to sunburn, smoothness skin, cleans skin. Face packs are basically excipients. they give some additional benefits. Various types of herbal face packs are used for different types of skin. In ayurveda included many natural ingredients for face pack used for many purposes.<sup>3</sup>

Present research paper is described formulation and evaluation of cosmetic herbal face pack for removing of tan, reduce acne, whitening and smoothing skin, from herbal ingredients i.e., hibiscus, papaya leaf, neem, sandalwood powder, orange peel.<sup>4</sup>

## II. MATERIALS

- **Orange peel (Citrus reticulata):** Orange containing mainly citric acid and different nutritional sources such as vitamin C, potassium, calcium, magnesium. It is used for reduce acne, glowing skin, increasing skin hydration, oxidative stress.
- **Hibiscus (Hibiscus rosa sinensis):** Hibiscus containing antioxidants property and many vitamins which help to glowing skin and removing tan. Vitamin C helps in lightening the skin tone, prevent sun damage, reduce dark circles and acne and Vitamin E helps in moisturizing the skin.
- **Papaya Leaf (Carica papaya):** Papaya leaves containing papain, protein dissolving enzyme. Leaf extract used to remove dead skin cells, clear clogged pores, and reduce acne. papaya leaf used for reduce blemishes, scars, and pigmentation, making the skin lighter and brighter.
- **Neem (Azadirachta indica):** Neem is suitable for all types of skin. it is best herbal ingredient for skin. it is used for remove dark spots, heals infected skin, pimples, rashes, makes skin healthy, brightens skin tone by increasing natural glow. neem containing anti-inflammatory, antifungal, antibacterial antioxidant and useful in detoxification.
- **Methods of Preparation:** All the natural ingredients used in face pack. i.e., hibiscus, papaya, orange peel, neem, sandalwood powder, were bought in local market of Kavathemahankal (Sangli). these materials are dried in shadow and made powder and authenticated at botany department of PVP collage, Kavathemahankal. Ingredients name with quantity given below:

Two different samples were prepared and named as sample A and sample B. The correct quantity of ingredients measured. Then all ingredients were mixed properly. Then face pack was packed by self in polyethene bags and well labelled.<sup>5</sup>

**Table 1:** Names of Ingredients with their Quantity

Sr. no	Ingredients	Scientific name	Sample A (100gm)	Sample B (100gm)
	Papaya leaf	Carica papaya	25	20
	Hibiscus Leaf	Hibiscus rosasinensis	30	30
	Orange peel	Citrus x aurantium	15	25
	Neem	Azadirachta indica	25	20
	Sandalwood	Santalum	5	5

**Procedure of Face Pack Application:** Get a face pack powder in a dish as per the requirement and add milk or rose water mix it properly. Prepare a mixture and apply on face . cover all facial skin. Kept it for dry to 10 or 15 min and wash it with warm water.<sup>6</sup>

**Methods of Evaluation:**

**Table 2: Organoleptic Properties**

Sr.no	Parameters	Observation	
		Sample A	Sample B
1	Appearance	powder	powder
2	Colour	Brown	Greenish
3	Odour	woody	woody
4	Texture	Fine	Fine
5	Smoothness	Smooth	Smooth

**Table 3: Physical Parameters and Irritancy Test**

Sr. no	Parameters	Observation	
		Sample A	Sample B
1	Ash content	92	93
2	pH	6.8	6.2
3	Loss on drying	3.33	3
4	Irritancy	No Irritation	No Irritation

**III. RESULT AND DISCUSSION**

In this research we have get two different colours because of different composition of content. Sample A gives brown colour and Sample B gives greenish colour. The odour of formulation is little bit strong but it is acceptable which is desirable as cosmetic formulation. The pH of both formulations was in the range of 6.8 to 6.2 in neutral range. The ash content is in limit. Stability studies showed a little bit change in pH of formulation which was stored at 40<sup>0</sup>.

**IV. CONCLUSION**

Herbal ingredients have many benefits to our skin. Which is used for remove tan, reduce dark circles, glowing skin , without side effects. Herbal cosmetic face pack is a better way to help glowing skin. Herbal face pack containing natural ingredients which is papaya leaf, hibiscus, neem, sandalwood, orange peel. The conclusion is this herbal face pack is stable and suitable for all types of skin.

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