

FORMULATION AND EVALUATIONS OF HERBAL FACE PACK**V. K. Redasani, K. J. Baid and *Drx. Jyoti Yadav**

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ABSTRACT

Ayurvedic face packs help store the wrinkles, pimples, acne and dark circles. They even make the skin more fair and smooth. The Natural Face Packs do contain some essential vitamins required for our skin's health and glow. Such compounds are also proving beneficial in many ways for our bodies. Natural facial packs are less complex. They help us look after the skin and also prove its worthiness by through blood circulation within the facial veins.

KEYWORDS: Hibiscus, Sandle wood, Multani mitti, Orange peel, Termeric, Neem.

1. INTRODUCTION

Cosmetics are described as the products used to purify, embellish, encourage or alternate the appearance. Various herbs have been used

since ancient times to clean, beautify and treat them. The herbal pasties, called "Mukhalepa" in ayurveda, were used as facial therapy.^[1] For the treatment of acne, pimple, rash, stains and pigments, this herbal paste smeared on the face Face pack is the smooth powder used for facial application. Herbal face packs are cheaper and have no side effects to get fair skin naturally Current research article deals with the formulation and evaluation of herbal face pack for radiant skin at home using natural materials such as multani mitti, turmeric, aloe vera, sandalwood, lemon peel, rose petal powder, manjistha, lodhra and gramme flour.^[2] Various skin types require various kinds of herbal face packs. Home made natural face packs and masks make way for smooth, healthy and silky skin. In ayurveda, the herbal paste applied to the face is known as "mukhalepa" for treating acne, pimples, wounds, stains and pigments "Mukhalepana" is the process of smearing a herbal mix on face. This therapy is now popularly termed as facial. Face pack is the smooth powder that is used for facial application

and a good herbal face pack will supply the skin with the necessary nutrients and should penetrate the subcutaneous tissues to supply the nutrients needed.^[3]

These packs are available in various styles and forms and are generally categorized as:^[4]

Plastic masks: wax-based, latex-based, or vinyl-based^[4]

Hydrocolloid masks: Gel masks (ready to use)^[4]

Argillaceous masks: clay-based or earth-based (ready to use or dry powder)^[4]

Chemically prepared facepack

Chemically formulated face packs provide vital nutrients to the skin.

Helps to popular, depending on the ingredients,
acne, pimple, scar, black head and markings.

Advantages^[5]

1. They help recover the skin's missing shine and glow in a short period of time.
2. Daily use of the natural face masks gives skin shine, enhances skin texture and tint.

Disadvantages^[5]

1. The One Face pack should not be Apply All Over The Face:
2. -As every part of our face doesn't have the same type of skin.
3. Sometimes it takes longer duration of time for drying of face pack.
4. It may cause the irritation. Sometimes face pack cause redness to skin.
5. There is difficulty of application of face pack for dry skin person.

Benefits of applying face pack^[6]

Nourishes the skin. Fruit facepacks supply essential nutrients to skin.

Helps to reduce, acne, pimple, scars and marks depending on its herbal ingredients. Usually face packs made of neem and tulsi help to reduce acne and pimple. Facepacks which are recommended for acne, pimple, black heads usually control the over discharge of sebum from sebaceous glands and remove the harmful bacteria inside acne lesion. The scars and marks of skin can be reduced by adding fine powder of sandal, rose petals and orange lentils with acne face pack. Face packs usually remove dead cells of skin. These face masks provide a soothing and relaxing effect on skin. They help to restore the lost shine and glow of skin in short span of time. Regular use of natural face masks bring glow to skin, improves skin texture and complexion. The harmful effects of pollution and harsh climates can be effectively combated

with judicious use of face packs. They help to prevent premature aging of skin. Formation of wrinkles, fine lines and sagging of skin can be effectively controlled by using natural face packs. Natural face packs make the skin look young and healthy.

Precautions to be taken while applying face pack^[7]

Select the face pack according to your skin type. Take opinion of natural therapist or concerned skin expert before applying face pack.

The face pack should not be left on face more than 15 to 20 minutes. Keeping for very long time may result in formation of wrinkles, sagging of skin and enlargement of open pores.

Apply face pack once in a week.

Don't try to peel or scratch the dried face pack. This may harm under lying skin. Spray water (which is at room temperature) on face before removing dried face pack. After removing the mask, roll an ice cube on facial skin. This helps to close open pores and tightens skin. It also tones and soothes the skin.

Do not scrub face vigorously. This may result in eruption of pimples and dark spots.

Stay away from heat when you have applied face pack.

Avoid applying face pack near "eye zone". The skin around eye is very delicate. The process of removing face pack may damage skin around eyes.

2. MATERIAL AND METHOD

Material

Sr. no.	Material	Manufactured by
1	Hibiscus Sabdariffa powder (Jasmine)	Waghdole Aayurvedic's
2	Azadirachta Indica powder (Neem)	Waghdole Aayurvedic's
3	Curcumina longa powder (Turmeric)	Waghdole Aayurvedic's
4	Citrus Aurantium powder (Orange peel)	Waghdole Aayurvedic's
5	Sandle wood powder (Chandan)	Waghdole Aayurvedic's
6	Embilica Officinalis powder (Amla)	Waghdole Aayurvedic's
7	Fuller's Earth Clay powder (Multanimitthi)	Sharangdhar

Method

1. Collection: Marketed powders were collected.

2. Formulation table no. 1.

Table no. 1.

Sr. no	Material	Formula 1	Formula 2
1	Orange peel powder	10%	8%
2	Multani mitti	25%	23%
3	Turmeric powder	10%	8%
4	Neem powder	5%	6%
5	Amla powder	4%	5%
6	Hibiscus powder	26%	35%
7	Sandlewood powder	20%	20%

3. How to use

- Collect powder of all of herbs – Orange peel, Neem powder, Multani mitti, Hibiscus powder, Turmeric powder, Amla powder, Sandle wood powder.
- Mix all powder as per formula in dry form.
- Make paste at the time of application by using rose water or aloe vera gel.
- Wash the face with fresh water before it dries up.



V (Formulation no.1)



(Rose water)

Formulation



(Before application of face pack) (Application of face pack) (Result after washing)

4. Evaluation Table

4.1) Organoleptic properties

Table no. 2.

Properties	Observations
Nature (Apperance)	Powder
Colour	Creamish Yellow
Odour	Slight
Taste	Characteristic
Texture	Fine

4.2) Genaral powder characteristics

Table no. 3.

PROPERTIES	OBSERVATIONS
Particle size	20-25 μ m
Angle of repose	32.09 $^{\circ}$ \pm 1 $^{\circ}$
Grittiness	No gritty particles were found
Nature of face after wash	Soft and fresh, free from dirt

5. Methods of evaluation

Following evaluation parameters were performed to ensure superiority of prepared face pack;

5.1) Organoleptic evaluation

The organoleptic parameters includes its nature, colour, odour, and consistency which were evaluated manually for its physical properties.

5.2) Physical evaluation

The particle size were tested by microscopy method.

5.3) Irritancy test

Mark an area of (1sq.cm) on the left hand dorsal surface. Definite quantities of prepared face pack were applied to specific area and time was noted. Irritancy, erythematic, edema, was checked if any for regular intervals up to 24 hrs and reported.

5.4) Stability studies

Stability testing of prepared formulation was conducted by storing at different temperature .

6. RESULT AND OBSERVATIONS



(Day 1)



(After 10 days)

Organoleptic evaluation

Face pack was prepared and evaluated for organoleptic parameters showed in table. The colour of formulation was slight yellow. The odour of prepared formulation was good and acceptable which is desirable as cosmetic formulations. The texture and smoothness was good acceptable which is desirable as cosmetic formulation.

Table 4: Organoleptic properties

Table no. 4.

Sr. no.	Parameters	Observations
1	Apperance	Powder
2	Colour	Slight yellow
3	Odour	Slight
4	Texture	Fine
5	Smoothness	Smooth

Irritancy test

The formulation show no irritation, redness, edema and inflammation during irritancy studies. The formulation is safe to use for skin.

Table 5: Irritancy test.**Table no. 5.**

Sr. no.	Parameters	Observations
1	Irritant	No irritation
2	Erythema	No irritation
3	Edema	No irritation

Stability study: The stability study shows slight change in pH of formulation which was stored at 40°C and no changes were observed at room temperature and at 35°C. There was no change in colour and odour at other mentioned conditions of stability which were showed in following table.

Table 6: Parameters of stability studies of formulation.**Table no. 6.**

Sr. no.	Parameters	Observations		
		Room temp.	35°C	40°C
1	Colour	No change	No change	No change
2	Odour	No change	No change	No change
3	pH	6.8	6	6
4	Texture	Fine	Fine	Fine
5	Smoothness	Smooth	Smooth	Smooth

7. CONCLUSION

In the present scenario, people need cure for various skin problems without side effects. Herbal ingredients opened the way to formulate cosmetics without any side effects. Herbal face packs are considered as sustaining and productive way to advance the appearance of skin. Thus in the present work, it is very good attempt to formulate the herbal face pack containing naturally available ingredients like Hibiscus, orange peel, Neem, Multani mitti, Sandle wood and Amla. It is suggested that the prepared formulation was physically and microbiologically stable and possesses characteristics of standard cosmeceutical formulation for skin care.

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