



"Formulation And Evaluation of hearbal face pack by using Charcol Powder"

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Abstract: The objective of this work is to formulate and evaluate a cosmetic herbal face pack for all type skin by using natural ingredients with the varying concentrations, like mulatani mitti, turmeric, aloe vera, charcoal powder, cinnamon, camphor, rose water, rice flour. All prepared formulation were evaluated by different parameters like organoleptic properties and physic – chemical parameter and stability along with irritancy test and microbial load. The dried powder of combined from had passable flow property which is suitable for a face pack. Herbal face pack or mask are used to stimulant blood circulation, rejuvenates the muscles and help to maintain the elasticity of the skin and remove dirt from skin pores. The advantage of herbal cosmetics is their non toxic nature, reduce the allergic reaction and time tested usefulness of many ingredients. In this study it is concluded that all the formulations so we found good properties for the face pack and further optimization studies are required on this study to find the useful benefits of face pack on human use as cosmetic product.

Keywords : Herbal face Pack, Natural, Cosmetics, Skin, Ingredients, etc.

1.INTRODUCTION

Since from ancient period of time, people are aware of the use of plants for the healthy, glowing and beautiful skin. Cosmetics are products used to clean, beautify and promote attractive appearance^[1]. Cosmetics are commercially available products that are used to improve the appearance of the skin by action of cleansing, beautifying, promoting attractiveness. From the ancient time, different herbs are used for cleaning beautifying and damage to them. Face skin is the major part of the body, which indicates the health of an individual^[2]. A balanced nutrition contains amino acid lipid and carbohydrates are required for the skin to keep it clear,glossy and healthy .In ancient times, women very conscious about their beauty and took special care of their skin type^[3].

It consist of materials such as amino acids ,lipids and carbohydrates etc.so that a balance nutrition is required for skill to keep it clear glossy and healthy .In Ayurveda, the herbal paste is called as “Mukha Lepa ”used for as a facial therapy.This herbal test is smeared on face to treat acne, pimple, scars,marks and pigment^[4] Herbal cosmetics are the products which are used to purify and beautify the skin. The main advantage of using herbal cosmetics is that it is the

pure and does not have any side effect on human body ^[5] Face pack is the smooth powder which is used for facial application these preprations are applied on the face in the form of liquid or pastes and allowed to dry and set to form film giving tightening, straightening and cleansing effect to skin.they are usually lefe on the skin for 10-25 min. to allow all the water to evaporate the resulting film thus contracts and hardance and can easily be removed. The warmth and tightening effect produced by application of face pack produces the stimulating sensation of rejuvenated face, while the colloidal and absorption clays used in these preparation the dirt and grese from skin of the face .when the applied face pack is eventually removed skin debris and deposited dirt gets removed with it ^[6].

In Ayurveda, the herbal paste is called as ‘Mukha Lepa’ used for as a facial theropy .this herbal paste smeared on face to treat acne, pimple, scars, marks and pigment^[7] These packs are available in various type and forms and broadly classified into following categories^[8] In ancient time womens were very conscious about their beauty and took special care of their specific skin types. Even today,people especially in rural areas add hilly regions go for the natural remedies

like plant extract for various cosmetics purpose like neem, aloe vera, orange peel, tulasi, rose etc. every body wants to get fair and charming skin . Nowdays acne, blackhead, pimple, dark circle are coman among youngstar and person who suffers from it. According to Ayurveda skin problem are noramally due to impurty in blood ^[8] skin of the face is the major part of the body, which is a mirror, reflecting the health of and individual. A balanced nutrition containing amino acid, lipid, carbohydrates are required for the skin to keep it clear, glossy and healthy. In ancient time of woman were very conscious about their beauty and took special care of there specific skin type ^[9]

2.Material and equipment:

2.1.Material:

Table 1; name of excipients and uses

Sr.no.	Name of excipients	Uses
1.	Multan mitti	Cleansing skin
2.	Turmeric	Antibacterial, antiseptic
3.	Aloe vera gel	Antioxidant, Moisturizing agent
4.	Charcoal powder	Detoxify skin, Minimize open pore
5.	Cinnamon	Anti-inflammatory
6.	Camphor	Sun tanning
7.	Rose water	Flavoring agent, moisturizing ageny
8.	Rice flour	Antifungal, anti aging

2.2.Equipment:

2.2.1.Motar pestal

2.2.2.Sieve Shaker

2.2.3.pH Scale

2.2.4.Extraction Appratus

3. Formulation:

Sr no.	Ingredients	Qty Given	Qty taken
1.	Multani mitti	48gm	23.5gm
2.	Turmeric	14gm	7.2gm
3.	Aloe vera gel	10ml	4.3ml
4.	Charcoal powder	13 gm	6gm
5.	Cinnamon extract	10ml	3ml
6.	Camphor	2gm	1gm
7.	Rose water	Q.s.	Q.s.
8.	Rice flour	5gm	2.5gm

4. Evaluation:

4.1. Organoleptic Evaluation:

The organoleptic parameters include its nature colour, odour, feel and consistency which were evaluated manually for its physical properties ^[10]

4.2. Physical Evaluation:

The particle size was tested by microscopic method. The flow property of dried powder of combined form was evaluated by performing angle of repose by funnel method, bulk density and tapped density by tapping method ^[11]

4.3. Irritancy Test :

Mark an area (1sq.cm) on the left hand dorsal surface. Definite quantities of prepared face packs were applied to the specified area and time was noted. Irritancy, erythema, edema was checked if any for regular intervals upto 24 Hours and reported ^[12]



4.4.Stability Studies:

Stability testing of prepared formulation was conducted for formulation F2 by storing at different temperature condition for the period of one month. The packed glass vials of formulation stored at different temperature condition Vi2, room temperature 35 °c - 40°C and were evaluated for physical parameter like color, odor ,pH ,consistency and feel^[13]



4.5.Determination Of Microbial Load :

The prepared formulation was evaluated for total viable count,presence of gram negative pathogen such as E.coli , salmonella and pseudomon BAC test laboratory in nashik^[14]



4.6.Phytochemical Evaluation :

The aqueous extract of the herbal face pack was eavaluted for the presence of different phytoconstituents as per the standard procedure^[15]



5.Result:

Table 3: Physical appearance

Sr.no.	Parameter	Observation
1.	Color	Grey color
2.	Odor	Pleasant
3.	Appearance	Smooth
4.	Texture	Fine
5	Smoothness	Smooth

Table 4 : Physical Apperance

Sr no.	Parameter	Observation
1.	pH	6.92
2.	Loss on drying	2.9
3.	Ash content	89±0.352
4.	Particle size (µm)	24.3±2.5

6.Conclusion:

In the present scenario, people need cure for various skin problem without side effect. Herbal ingredients opened the way to formulate cosmetics without any harmful effect. Herbal facepacks are considered as sustaining and productive way to advance the apperence of skin. Thus in the present work, it is a very good attempt to formulate the herbal face pack containing naturally avalible ingredients like multani mitti, turmuric,camphor,rice flour,rose water,charcoal powder. It is suggested that formulation was physico-chemically and microbiologically stable, and possessed characteristics of a standard cosmesceuticals formulation for skincare.

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