



“Research on: Anti-oxidant Face Pack Containing NUTMEG”

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Abstract : Now a day rise in level of pollution fungus, allergens, microbes etc. human skin has become sensitive and prone to various skin problem An attempt has been make to synthesis a pack ideal for all skin type therefore, prime objective of this work is to formulate and evaluate a poly herbal face pack by using natural ingredient. used to fill blood circulation, revitalium muscles and its aids in sustaining elasticity of skin and sieve dirt and pollution from skin pores. The prepared formulation way evaluated by different parameter such as organoleptic properties, physico-chemical parameters, stability including irritancy test and antimicrobial test. Among all formulation BB and BC were found to be pomissing in physiochemical parameter, free from skin irritation and it’s consistency way some through out the storage condition and hand microbial stability.

The objective these work is to formulate and evaluate a cosmetic herbal face pack for glowing skin by using natural ingredient with the varying. Concentration, four different formulation containing ingredient’s such as mulatani mitti, Turmeric, Aloe vera, Sandal wood Orange peel, Neem and Nutmug; were prepared named as f1 to F4. All prepared are formulation. Were evaluate by different parameters like organoleptic properties and physic-chemical parameter and stability along. With irritancy test and microbial load. Among all formulation F2 was found to be wood in physical parameter, free from skin irritation and maintain it’s consistency even after stability storage condition and also having microbiological stability.

Index term: Blood circulation, Herbal face pack, Appearance, Microbiologically, Cosmetic, etc.

1.Introduction:

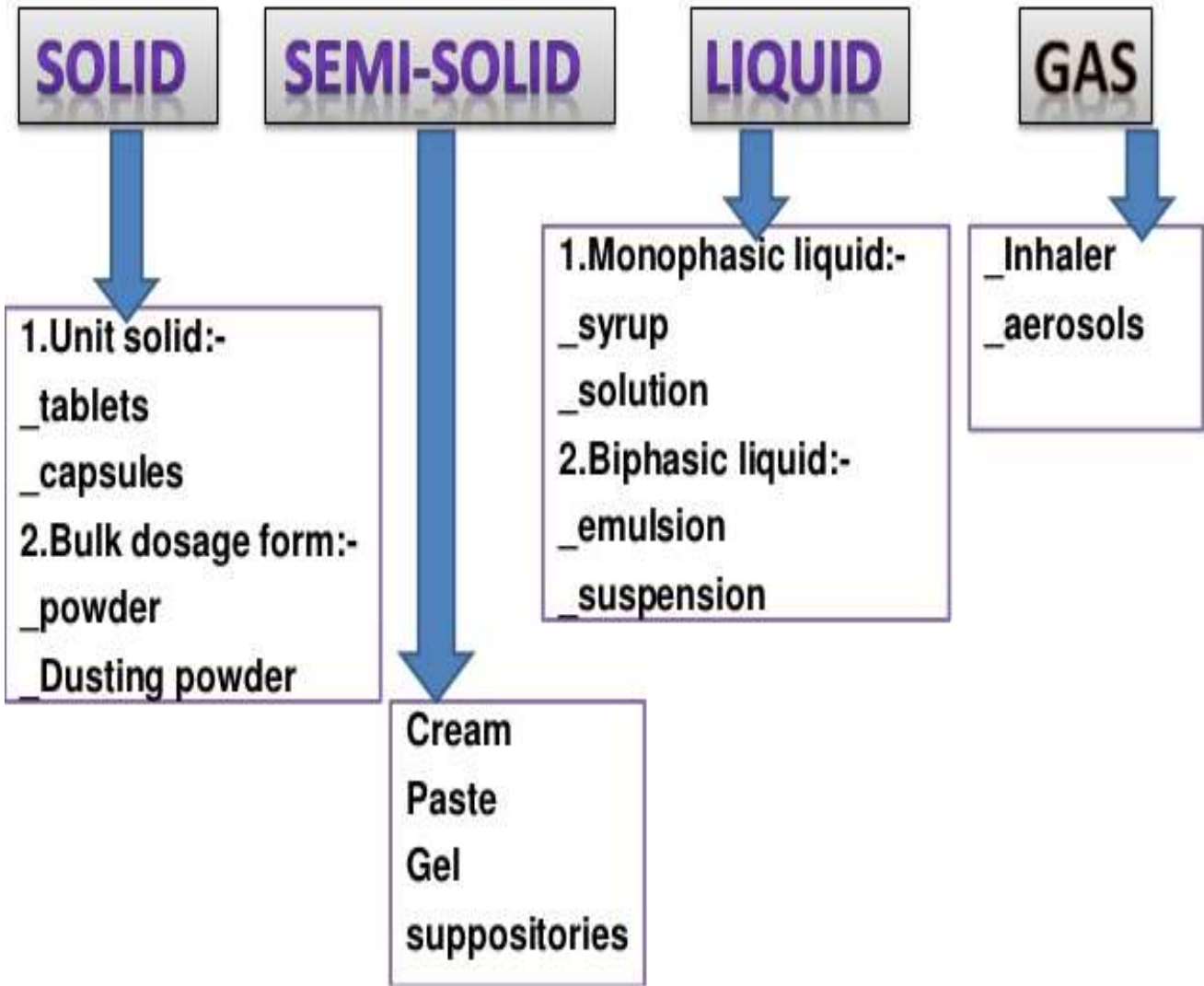
Since, the prehistoric times, people have the knowledge about the uses of plant for the crucial role needed for maintain healthy skin. Cosmetic are the product used mainly for cleaning, Beautifying and promote attractive appearance. [1] Facial a skin is a major part of the body which indicate the heath of an individual. [2] In Ayurveda, the herbal

pack pest is called as “mukha lepa” generally use in facial theory. This herbal pack paste smeared on face to treat acne, pimple, scars, marks, and pigment.[3] the main advantage of using herbal cosmetic is that it is pure and close not have any side effect on the human body. Men have rough skin and when they don’t take sufficient care, then the skin turns dark due to overexposure to sun;

other pollutants etc. [4] In this article we have formulated homemade face pack to when whiten + lighten and brighten the skin naturally for men and women. This face pack has natural skin lightening property and can be easily prepared at home. [5] Face pack is a smooth powder with natural constituents which are rich in vitamins, antioxidant, and are used for facial application for a healthy and glowing skin. These preparation are applied on the face in the form of liquid or pastes and allowed to dry and set to form film giving tightening strengthening and cleansing effect to the skin. Natural facial packs are simple to use. They increase circulation of the blood within the veins of face, Hereby increasing the liveliness of skin. [6] Face pack are usually kept on the skin for fifteen to twenty minutes which allows all the water to evaporate and resulting film thus contract and hardness which can be easily removed. The warmth and tightening effect produced by application of face pack produces the stimulating sensation which helps rejuvenation or face, while the colloidal and adsorption clays used in these preparations remove pollutants, dirt, and grease from the skin of the face . when the face pack applied it eventually removes skin debris and deposited dirt gets washed off with it present research article deals with the formulation and evaluation of poly-herbal face pack for whitening and glowing skin at home by using natural materials i.e. orange peel powder, morigna powder, sandal wood powder, maize starch and peppermint oil.[7] cosmetic 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 cleansing beautifying and to manage them face skin is the major part of body which indicates the health of an individual[8,9] It consist of material such as amino acids lipid and carbohydrates etc. so that the balanced by nutrition is required for the skin to keep it clear glossy and healthy.[10] In Ayurveda the herbal paste is called as mukha lepa used for as an a facial therapy this herbal paste smeared on face to treat acne, pimple, scars, marks and pigments [11] Face pack is the smooth powder which is used for facial application. These preparation are applied on the face in the form of liquid or paste and allowed to dry and set to form film giving tightening strengthening and cleansing effect to the skin.[12] They are usually left on the skin for ten to twenty five minutes to allow all the water to evaporates the resulting film thus contracts and hardness and easily be removed. The warmth and tightening effect produced by application of face pack produce the stimulating sensation of rejuvenated face while the colloidal and adsorption clays used in these preparation remove the dirt and grease from skin of the face. When the applied face pack is eventually removed skin debris and deposited dirt gets removed with it. Face pack are basically additive delivering some additional benefits different types of herbal face pack are used for different type of skin. Herbal face pack are helps to reduce wrinkles, pimple, acne and dark circle. Also increase the fairness and smoothness of skin it also helps someone to boost their confident. Ayurveda is the most useful and successful means for achieving this purpose.[13]

CLASSIFICATION



2. Materials and Equipments:

2.1. Material :

Sr No.	Name of ingredient
1	Multani mitti
2	Turmeric
3	Aloevera
4	Sandal wood
5	Orange peel
6	Neem
7	Nutmeg

2.2. Equipment:

Sr. no	Name of equipment
1	pH meter
2	Porcelain dish
3	Hot air oven
4	Desiccators
5	Incubator

3.Method of prepration

different formulation were prepared with varing concentration of all ingredient named as Multani mitti, Turmeric, Aloe vera, sandal wood, orange peel, Neem, Nutmeg.

The accurate quantity ingredient were weighted and ground in to fine powder by using sieve # 120 then the all ingredient were mixed geometrically by serial dilution method for uniform mixing then the prepared face pack was packed in to a self sealable polyethylene bag, labelled and used.

4.Formula

Sr no	Ingredient	Given quantity (gm)	Taken quantity	Use
1	Multani mitti	42.6 gm	21.3 gm	Cleanser astringent
2	Turmeric	12.8 gm	6.4 gm	Arthritis , joint
3	Aloe vera	15.2 ml	7.6 ml	Antioxidant, Antidiabetic
4	Sandal wood	7.4 gm	3.7 gm	Anti-inflammatory, rashes
5	Orange peel	10.4 ml	5.2 ml	Anti-oxidant, anti-bacterial
6	Tulasi	2.6 gm	1.3 gm	Inflammation, infection
7	Nutmeg	5.2 gm	2.6 gm	Leukemia, insomnia

4.1.Formulation

- Firstly accurate weigh the all quantity of Ingredient such as Multani mitti, Turmeric, Sandal wood, Orange Peel, Neem Nutmeg.
- Next then the Taken a Mortle and Pestle and given ingredient uniform mix with each other in geometrically.
- Then the according to maintain the consistency add in to the aloe vera and become viscous the mixture.
- And then prepared the face pack





hour and reported. [15]

5.Evaluation Test :

5.1.Irritation Test

Mark an area(1 sq.cm) on the left hand dorsal surface. Defination quantities of prepared face pack were applied to the specified area and time was noted. Irritancy, erythema, edema, was checked if any for regular interval up to 24





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5.2. Stability test

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 viz... Room temperature 35 degree C and 40 degree C and were evaluated for physical parameters like colour, odour, Ph, consistency and feel. [16]



5.3.Phytochemical screening

5.3.1.Shinoda Test

Aqueous solution was added to a pinch of magnesium turning and 1-2 drop of concentrated hydrochloric acid were added formation of pink color indicate the presence of flavonoid. [17]

5.3.2.Physical Test

The particle size was tested by microscopy method. The flow property of the dried powder of combined from was evaluated by the performing Angle of repose by funnel method, bulk density and tapped density by tapping method. [18]

5.3.3.Organoleptic Test

The organoleptic parameter includes its nature, odour, colour, feel, and consistency which were evaluated manually for its physical properties. [19]

5.3.3.1.Colour –Brownish-yellow

5.3.3.2.Odour – Fragrance

5.3.3.3.Solubility – soluble in water, alcohol, rose oil

5.4.Moisture Content Test

Weight about 1.5 gm of the powder drug in to weight flat and thin porcelain dish .Dry in the oven at 100 degree C or 105 degree C until two consecutive weight do not differ by more than 0.5 mg . cool in desiccators and weigh

The lossin weight usually recorded as moisture.[20]



5.5. Microbial Assay Test

The antimicrobial activities of all four formulations were determined by modified agar well diffusion method. In this method, nutrient agar plates were seeded with 0.2 ml of 24 hrs broth culture of *Escherichia coli* and *Staphylococcus aureus*. The agar plate was allowed to solidify a sterile 8 mm borer was used to cut well of equidistance in each of the plates 0.5 ml of formulation herbal extract were introduced in to the well at randomly. The plate were incubated at 37 degree C for 24 hour . The antibacterial activities were evaluated by measuring the zones of inhibition(in mm). [21]

6. RESULT

The microbial and chemical character of individual powders were distinguished and quantitative measurements were taken . The formulated powder had passable flow which is well suitable for a face pack. Particle size of the powder was found to be 15-20 micro meter. The different formulation of face pack prepared and evaluated for physical parameter. The flow property parameter are free flowing properties. The colour of formulation were different due to variation in composition of contents. The odour of prepared formulation was good acceptable which is desirable as cosmetic formulation. This formulation is safe to use for skin. The stability studies of slight change in formulation of Ph and number change in were observed at room temperature. The colour of

formulation was slightly changed after one month of stability studies. It is suggested that the prepared formulation was physico-chemical and microbiologically stable. And passed characteristics of standard cosmeceuticals formulation for skin care

7. Conclusion

Herbal face pack or masks are very versatile and are used to fuel blood circulation. Revitalization the muscles and its aids in sustaining the elasticity of the skin and seize dirt and pollution from skin pores. Thus in present work are found good properties of the face pack and further optimization studies are required on this study to find the useful benefits of face pack or human use as cosmetic product. In the present scenario, people need cure for various skin problems without side effect herbal ingredient opened the way to formulate cosmetic without any harmful effect. Herbal face pack are considered as sustaining and productive way to advance the appearance of skin. Thus the present work it is a very good attempt to formulate the herbal face pack containing naturally available ingredient like multani mitti, turmeric, aloe vera, sandal wood, orange peel, neem and nutmeg, It is suggested that the prepared formulation was physico-chemically and microbiologically stable. And possess characteristics of standard cosmeceuticals formulation of skin care .

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