

Formulation of Herbal Vanishing Cream

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ABSTRACT

The current study's goal was to create and assess a vanishing herbal cream. Herbal creams have various advantages over conventional types of cream. The bulk of existing lotions are made from synthetic medications and provide extra fairness to the face, but they have various negative effects such as irritation or allergic reactions. Herbal lotions do not have any of these negative effects, and without them, the skin appears fair. The method used to make herbal cream was fairly easy. To begin, an oil phase was generated by melting a combination of stearic acid (17%), potassium hydroxide (0.5%), and sodium carbonate (0.5%) at 700 degrees Celsius. Second, an aqueous phase was generated by combining an alcoholic extract of crude medicines, including *C. officinalis* and *A.indica*, with turmeric, nutmeg, and cinnamon.

I. INTRODUCTION

Herbal extracts are being employed in cosmetic preparations to enhance appearance and attractiveness. Herbal cosmetics are classified according to dosage form (cream, powder, soaps, solutions, etc.) and part or organ of the body to be applied for (cosmetics for skin, hair, nail, teeth, and mouth, for example).¹ Creams are semisolid emulsions that are applied to the skin or mucous membrane. A vanishing cream is a low-fat moisturiser that dissolves into the skin. It softens the skin without leaving any residue.² Vanishing creams are o/w emulsion-based products that contain both an aqueous and an oil phase.³ Depending on the water-to-air ratio, Grease and cream can be water miscible and readily rinsed away, or they might be thick and sticky. It is possibly the most commonly administered topical medication. Most patients like it since it is less oily, messy, and sticky.

Objective

The goal of this research was to develop a vanishing cream that has no side effects or

unwanted responses. In addition, the cream functions as a fairness expert in everyday life by erasing ageing symptoms. It also has nutritional value, since it provides necessary nutrients to the skin.

II. MATERIALS AND METHOD

Crude drug were collected from Aditya pharmacy college beed Maharashtra

Herbal Drug information

A.indica(Azadirachtaindica Family-meliaceae)

Medicinal use :-Neem leaves used to treat skin diseases...

Neem leaf is used for leprosy, eye disorders, bloody nose, intestinal worms, stomach upset, loss of appetite, skin ulcers, diseases of the heart and blood vessels (cardiovascular disease), fever, diabetes, gum disease (gingivitis), and liver problems. The leaf is also used for birth control and to cause abortions.



Picture of neem leaves

2. Turmeric(*Curcuma longa* family Zingiberaceae)

Medicinal uses :- Turmeric contains antioxidants and anti-inflammatory components. These

characteristics may provide glow and luster to the skin. Turmeric may also revive your skin by bringing out its natural glow. You may want to try a turmeric face mask to see if the spice has any positive effects on your skin. Prevents and heal dry skin, treat skin conditions such as eczema and acne, and Retard the aging process.



Fruits of Nagarmotha (*Cyperus scariosus*, family cyperacea)

Medicinal uses:- Nagarmotha might be useful in managing skin infections. Applying a paste of Nagarmotha powder and coconut oil help reduce swelling and stops bleeding due to its astringent property. Nagarmotha oil also protects against various bacterial and fungal infections due to its antimicrobial property. It is extremely useful for treating dandruff, and revitalizing dull, lifeless hair.



Picture of the fruits of Nagarmotha

Fruits of long pepper (*Piper longum*, family :- Piperaceae)

Medicinal uses :- Indian long pepper can be used to improve your skin and also fight the effects of ageing on the skin. Long pepper, just like other peppers, is known for chemicals that may irritate the skin. People having sensitive skin should avoid handling it topically. (Picture of long pepper (pimpli))



3. Nutmeg seed powder (*Myristica fragrans*, Family Myristicaceae)

Medicinal uses :- Anti-inflammatory properties will help reduce the sight of pimples. The stimulating properties will certainly wake up dead skin cells and help those no-so-fine lines around your mouth fade, curative properties that heal scars caused by everything from acne to sun spot.



Application

Mr.L.R. Bagwan, Assistant Professors, identified and validated the plant material obtained.

• Preparation Method

The following are the steps taken in the preparation of disappearing herbal cream.

1. Preparation of an alcoholic extract of crude drugs: 5gms of the above-mentioned powdered crude medicines were placed in a conical flask, and 100ml. of ethanol was added to it before the conical flask was covered with aluminium foil. After that, the mixture was macerated for 5 days.
2. Oil phase preparation: Stearic acid (17%), potassium hydroxide (0.5%), and sodium carbonate (0.5%) were combined in a porcelain dish and heated at 70°C.
3. Aqueous phase preparation: Alcoholic extract of crude medicines stated in step 1 (4.5%), glycerin (6%), and water (71%).

EVALUATION OF CREAM

Determination of organoleptic properties: The cream's appearance was rated based on its colour, pearlescence, and roughness. 18pH: The pH metre was calibrated before measuring the pH in a beaker containing 20mg of cream.10 Homogeneity determination: The formulations

were assessed for homogeneity using visual appearance and touch.

Spreadability evaluation: Between two slides, 500mg of the cream was sandwiched. On the upper slide, a 100gm weight was inserted. The weight was removed, and any excess formulation was scraped away. The lower slide was secured to the apparatus's board, and the upper slide was secured with a non-flexible string to which a 20g load was applied.

The time it took the upper slide to slip off was recorded. $11S = m l / t$

III. RESULTS AND DISCUSSIONS

The herbal vanishing cream was prepared by using o/w emulsion method using mixture of alcoholic extract of crude drugs, including C. officinalis and A.indica, Turmeric, Nutmeg, and fruits of pimpli, fruits of Nagarmotha. the extract were used and formulated 3 different formulations named B1, B2 and B3 but only B3 pass all evaluation tests.

1. Ingredients	2. Quantity %
3. Steric acid	4. 17%
Potassiumhydroxide	5. 0.5%
6. Sodium carbonate	7. 0.5%
8. Alcoholic extract	9. 4.5%
10. Glycerine	11. 6%
12. Perfume	13. 0.5%
14. Water	15. 71%

Table 2: Formulation of Herbal Cream

Parameters	Observation
Appereance	Yellowish green
Odor	Slightly aromatic
pH	6.8
Spreadability	Uniform with a value of 42 g.cm/sec Easily spreadable
Dye Test with Scarlet red	O/W type
Homogeneity	Smooth and Consistent
<input type="checkbox"/> By visual	

<input type="checkbox"/> By Touch	
Accelerated	Study stable
Patch test	Not hypersensitiveness
Type of smear	Non-greasy
Emolliency	No residue left
Viscosity	26024cps.
Consistency	Good
Washability	Washable
Grittiness	No gritty particles

Table 3: Evaluation Parameter

IV. CONCLUSION

The vanishing cream of crude drugs with the best properties and having nutritional value was to be prepared by simple methods and less equipment are required. The prepared herbal cream also has antioxidant and antibacterial activity due to this it retards aging signs and pimple formation on the face. Further studies are required for this vanishing herbal cream. It was found that this type of formulation of the vanishing herbal cream was not prepared earlier. Oil in water emulsion-based cream was formulated using natural these ingredients it can be concluded that this cream can be used as a multipurpose cream and the ingredients mixed can produce synergistic effect of the other. Further studies can be carried out on stability and skin irritancy test of the cream.

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