

Formulation and Evaluation of Herbal Lipstick

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ABSTRACT

The safety and reliability of natural products have triggered the need to produce herbal-based products. The use of herbal cosmetics has become increasingly popular among present-day women. Synthetic coloring agents being used in cosmetics have been found to produce carcinogenic effects. The objective of the present study involved the preparation and evaluation of herbal lipsticks using color matter from natural sources such as carrot, beetroot, turmeric, tomatoes, pomegranate, and cocoa. Different natural ingredients such as beeswax, carnauba wax, vanilla essence, castor oil, white soft paraffin, strawberry essence, vitamin E, lemon juice was used to formulate herbal lipstick. Prepared herbal lipstick was evaluated for different evaluation tests such as color, texture, pH, melting point, breaking point, surface anomalies, aging, and perfume stability.

I. INTRODUCTION

Formulating herbal lipstick involves extracting a natural colorant from plant-based sources. This color extraction process typically entails crushing, maceration, or solvent extraction to obtain pigments. Common sources include beetroot, berries, and flower petals. The extracted colorant is then incorporated into the lipstick formulation, which can involve mixing with waxes, oils, and emollients to achieve the desired texture and color. Testing for stability, skin safety, and performance is crucial before finalizing the formulation. The process of formulating and evaluating herbal lipsticks through the extraction of natural coloring agents is a fascinating endeavor. By harnessing the power of organic ingredients, this technique aims to create lipsticks that not only enhance beauty but also prioritize the use of natural resources. Through meticulous extraction methods, the inherent colors found in nature's palette are harnessed to craft lipsticks that provide both aesthetic appeal and a touch of sustainability. This exploration delves into the synergy between

beauty, nature, and science, resulting in lip products that reflect a harmonious blend of innovation and the bounties of the earth. The Cosmetics word was obtained from the Greek word "Katipos" which means the power, organization and skill in beautifying. The word cosmetics is defined as substances of diverse origin, scientifically compounded and used to cleanse, alleviate skin troubles, cover up imperfections and give the shining, beautify and is used in this paper in a wider sense to include oral hygiene as well. Lipstick is a cosmetic product containing waxes.

These lipstick preparations do not damage to our lips and they do not cause the any side effect and toxicity in our body they are also minimizing the adverse effects, and drug insertion and increase patient compliance due to compliance of the patient that increases production rate and seal scale of herbal lipstick and it's formulations are most widely used to enhance the beauty of lips and to add glamour touch to the make- up and Lipstick is used to enhance the appearance of lips and add colour and style to makeup.

BENEFITS

1. Natural Ingredients: Herbal lipsticks are made from plant-based ingredients like Shea butter, beeswax, aloe Vera, and essential oils, which are gentle on the skin and free from synthetic chemicals.
2. Non-Toxic and Safe: They are free from harmful chemicals such as parabens, sulphates, and artificial colorants, reducing the risk of allergic reactions, skin irritation, or long-term health effects.
3. Nourishment and Hydration: Many herbal lipsticks contain moisturizing ingredients like coconut oil or jojoba oil, which help to keep lips soft, hydrated, and prevent chapping or dryness.
4. Cruelty-Free and Eco-Friendly: Most herbal lipstick brands prioritize ethical practices, using cruelty-free methods and sustainable packaging to reduce environmental impact.

COMPOSITION TABLE

Sr. No.	Ingredients	Quantity Taken		
		B1	B2	B3
1	BEES WAX	3gm	3gm	5gm
2	COCOA BUTTER	2gm	2gm	3gm
3	COCONUT OIL	2gm	1ml	1ml
4	OLIVE OIL	2gm	1ml	1ml
5	CASTER OIL	2gm	1ml	1ml
6	COCOA POWDER	1gm	3gm	-
7	HIBISCUS POWEDER	1gm	-	3gm
8	JASMINE ESSCENCE	3-4 Drops	3-4 Drops	3-4 Drops
9	VIT-E-OIL	1ml	1ml	1ml

FORMULATION METHOD

- 1) Take a bees wax, cocoa butter in porcelain dish and melt it on water bath at 70°C.
- 2) After melting add coconut oil, olive oil and castor oil in it at the same temperature.
- 3) Then add hibiscus powder, Jasmine essence and vitamin oil in it at 35°C.
- 4) Then mix properly and pour it in lipstick mould and keep the mould in refrigerator or ice bath for 15 to 20 minutes.
- 5) Upon the solidification separate the lipstick from the lipstick mould.

EVALUATION TEST

1. Organoleptic Characters:

Colour
 Odour

2. Melting Point: Determination of melting point is important as it is unindication of the limit of safe storage. The melting point formulated lipstick was determine by capillary tube method, the capillary was filled and keep in the capillary apparatus and firstly observed the product was slowly slowly milted. After some time, observed product was completely melted. The above procedure was done in 3 times and melting point ratio was observed in all formulation.

3. Breaking Point: Breaking point was done to determine the strength of lipstick. The lipstick was held horizontally in a socket inch away from the edge of support. The weight was gradually increased by a specific value (10gm) at specific interval of 30 second and weight at which breaks was considered as the breaking point.

4. Force of Application: It is for comparative measurement of the force to be applied for application. A piece of coarse brown paper kept onshadow graph balance and lipstick was applied at 45°C angle to cover a 1 sq. Inch area until fully covered. The pressure reading is an indication of force of application.

5. Surface Anomalies: This was studied for the surface defects, such as no formation crystals on surface, no contamination by moulds, fungi etc.

6. Aging Stability: The product was stored in 40°C for 1 hr. Various parameters such as bleeding, crystallization of on surface and ease of application were observed.

7. Skin Irritation Test: It is carried out by applying product on the skin for 10 min.

8. Perfume Stability: The formulation herbal lipstick was tested after 30 days, to record fragrance.

II. RESULT AND DISCUSSION

Sr. No.	Parameters	Observations
1.	Colour	Dark Brown
2.	Odor	Pleasure
3.	Ph.	6.5

4.	Melting Point	60-65
5.	Breaking Point	26gm
6.	Force Application	Good
7.	Perfume Stability	+++
8.	Surface Anomalies	No Defects
9.	Aging Stability	Smooth

The herbal lipstick is formulated by admixing the amount of all herbal ingredients with a hope to minimize the side effect as produced by available synthetic ones. Herbal lipstick has been tremendous boost in use of cosmetic by women. It also helps the medicinal that softening, reduce inflammation, moisturizing the lips and enhance the beauty of women.

We have observed 3 batches and performed the practical as in first batch we have made the lipstick by using Cocoa powder and hibiscus powder as colouring agent, in next batch we have added the cocoa powder and in last batch we have added the hibiscus powder. We have chosen the third batch as in preference to study properly by comparing the last 2 batches. In third batch, The Hibiscus has given the best colour as brown and the appearance was totally excellent and attractive. It was suitable for our attractive lipstick Idea. We have observed some features of it such as Remains solid while under room temperature. Hard and unbreakable with light force on it. Soft enough to make a layer on the skin of lips as you apply. Evenly-toned layer. The layer stays even for at least a while. The shade of that powdered lipstick was giving attractiveness. Due to these reasons, we have chosen the third batch as our final product compared to all the other batches.

III. CONCLUSION

The present work formulation and evaluation of herbal lipsticks was aimed to formulate a lipstick using herbal ingredients with a hope to minimize the side effects as produced by the available synthetic ones. Study concluded that herbal lipstick can be successfully. Formulated using different natural ingredients such as Bees wax, Cocoa butter, Castor oil, Coconut oil, Olive oil, Jasmine essence, Vitamin E, Hibiscus powder. These are better options compared to synthetic colouring agents which may cause different and hazardous side effects. Consumers can take safe and effective advantage of herbal lipsticks.

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