

Formulation and Evaluation Herbal Lipstick Containing Papaya Leaf Extract

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Abstract

Natural products are good for health and its show good. It easily available and show their therapeutics actions. Different dyes available in markets also their different product are available. In market synthetic dye are available also their products also available in markets different forms cosmetics of that product also available in markets. But these are synthetic dye harmful for humans and they are show different adverse reaction so it damages and harmful to human beings. For lipstick also some different attractive dye are available all of these are synthetic and show bad action after use more times so natural extract are good and natural extract also show good color dye for lipstick and give good color to the lipstick and main important is it show low reaction and give good effects. The objective of the present study involved the formulation and evaluation of herbal lipsticks using herbal color from natural sources such as *papaya leaf extract*.

Keywords : *papaya leaf extract*, herbal color, Natural sources

Introduction

Cosmetics are substance used for increase glow on skin. Different cosmetics are used for like include skin care creams, lotions, powders, perfumes, lipsticks, fingernail and many more. Lipstick is one of these used as cosmetics.¹⁻³ Different lipsticks sheds are available in market all these sheds are attractive and shiny but these are not natural color these are synthetic dye and show harmful reaction. Natural color show low side effects and show less harm and show good effects. Different dye is produced many method in this extract is prepared. Different extract prepared by using different methods like maceration, infusion, decoctions. In this article maceration is used for obtained extract.⁶ Coloring lips is an ancient practice that dates to the prehistoric period. In present days use of cosmetic products has increased, and choice of shades, textures have been changed and become more extensive. Lipstick is more popular in market because of their many shades.⁶ The dyes that contribute to the color of the lipstick are dangerous to human use. In a mild form, the coal tars that are the basic ingredients from which synthetic dyes are formed can cause allergy, nausea, dermatitis, and drying of the lips and other problems.⁵ natural dye is useful and it show less actions and suitable for use by humans.⁶ Herbal lipstick is a cosmetic product containing pigments, waxes, oils, fragrances, preservatives, antioxidants and colors. In this article I prepared *papaya leaf extracts* lipstick formulation and show *papaya leaf extract* show good dye and it suitable for lipstick and give good color agent and formulation of lipstick also given in this article. It can be concluded that the use of natural colorants in lipstick formulations has fewer or no side effect after evaluation tests. Results have shown that different evaluation parameters of prepared herbal lipstick resembled standard values and with the marketed formulation after evaluation test.¹⁻²

Advantages of herbal lipsticks.

1. Easily available
2. All ingredients in herbal so it safe
3. Easy use
4. Low side effects
5. They also contain natural nutrient that keep lips healthy
6. Extensive range of color to choose form

7. Low side effects
8. They are non-toxic
9. highly lipophilic
10. anti-oxidants
11. anti-microbial
12. anti-inflammatory and used in leukoderma of lips.
13. They are non-toxic, highly lipophilic, anti-oxidants, anti-microbial, anti-inflammatory, and are used in leukoderma of lips
14. Benefits use for natural herbal lipstick
15. Safe to use.
16. Affordable and non-expensive.
17. Variety of products.
18. No side effects.
19. Not tested on animals Free from hazardous chemicals
20. Material and methods
21. *Beeswax, carnauba wax, oliveoil, castor oil, acacia, lemon juice, rose oil, Vanilla essence, white soft paraffin wax.*⁵⁻⁶

Preparation of papaya leaf extract.

For papaya leaf by using cold maceration methods.¹¹⁻¹²

- ❖ Take a papaya fresh leaves and then wash with distilled water and place it sundry for dry purpose.
- ❖ After cut leaves in fine form and place it in big round bottom flask and add it distilled water after add some drops of chloroform for stop fungal growth and remain as it up to five days.
- ❖ Then it filters by using muslin cloths and place these in freeze drying after pure extract is obtained and it place in close tight container to avoid it contact with moisture.¹¹⁻¹²

Formulation of herbal lipsticks.

1. Herbal lipstick formulates by using melt method
2. In this method first bees wax *carnauba wax white soft paraffin* mix and place in petri dish and heat up to 70 °C.
3. Another Porcelain dish place on water bath and add castor oil olive oil and papaya extract and mix well and place it water bath at 70 °C.
4. After extract prepared Porcelain dish add it into wax Porcelain dish then it mixes Fastly and well and this also place on water bath after it take from water bath and remain as it up to 40 °C temperature attend and after add it acacia, lemon juice, rose oil, Vanilla essence.
5. Finally, all mixture place in lipstick mold and it place in refrigerator and remove it sometime and herbal lipstick will prepared.¹¹⁻¹²

Prepared lipstick place in lipstick container.

Table no 1: Formulation table of lipstick

Sr no	Ingredients	F1	F2	F3	F4
1	Bees wax (g)	5	5	5	5
2	Carnauba wax (g)	3	3	3	3
3	White soft parafine (g)	2.5	3	3.5	4
4	Castore oil (ml)	1	1	1	1
5	Pure extract (ml)	2	4	6	8
6	Acasia (mg)	0.5	0.5	0.5	0.5
7	Rose oil	q.s	q.s	q.s	q.s
8	Lemon juice (ml)	2	2	2	2
9	Vaila essence	q.s	q.s	q.s	q.s

Evaluation tests of herbal lipsticks.

1) Melting point



Fig no 1 Melting point test

In melting point test thiele tube is used. In this liquid parafine is filled. Determination of melting point is important as it is an indication of the limit of safe storage and resist to heat The melting point of formulated lipstick was determined by capillary tube method the capillary was filled, keep in the capillary apparatus and firstly observed the product was slowly-slowly milted. After sometimes was observed the product was completely melted. Lastly see the temperature by using thermometer.

2) Breaking point tests⁴⁻⁵

For checking the strength of lipstick breaking point test is performed
 Take 10 gm lipstick for this test. The lipstick is held horizontally in a socket ½ inch away from the edge of support.

The weight is gradually increased by a specific value at specific interval of 30 second and weight at which breaks is considered as the breaking point.

3) Force of application tests

It tests used for use to measure the force applied to the lipsticks.

A piece of coarse brown paper can be kept on a shadow graph balance and lipstick can be applied at 45 0C angle to cover a 1 sq. inch area until fully covered.

The pressure reading is an indication of force of application.

4) Physical appearance⁴⁻⁵

In this tests check the three is formation of Crytal around the lipstick and other problems such as spots and extract is cove all the lipstick or not or any other bacterial affect or not.

5) Aging stability

In this study lipstick is stored at 40 0c and for 1 hrs. and after 1 Hrs. check the formation of Crytal around the lipstick and other problems such as spots and extract is cove all the lipstick or not or any other bacterial affect or not. If not, then lipstick is good form and it safe for use.

6) Ph of lipstick

Ph of lipstick check by using digital ph. meter it is neutral.

7) Skin irritation tests

In this test apply lipstick to skin and wait for some time after check fell irritant to skin or not.

8) Perform stability test⁵⁻⁶

In this check perfumes show good smell or it smell lost because some time its smell lost because of not maintain proper temperature.

Result and Discussion:

1)Formulated lipstick

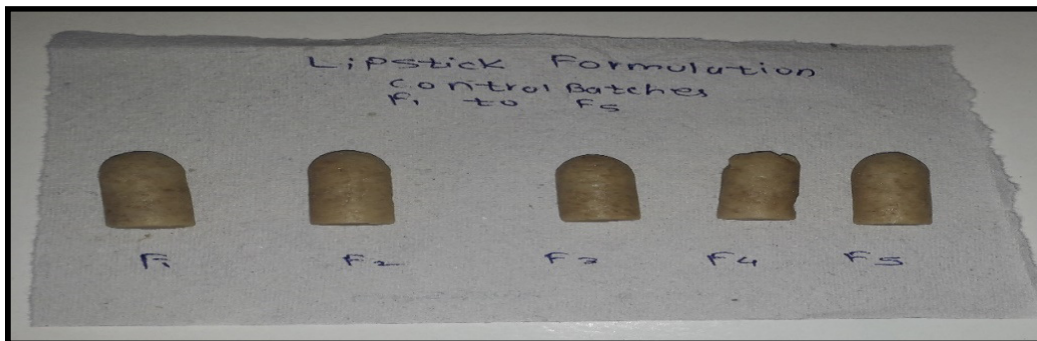
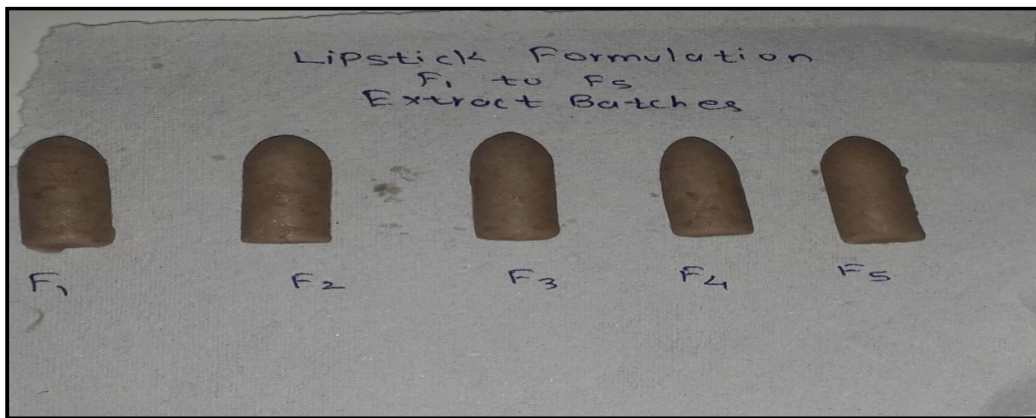


Fig no 2. Formulated lipstick



Sr no	Tests	F1	F2	F3	F4	F5
1	Melting point	71-75	71-75	71-75	71-75	71-75
2	Breaking point tests	32	33	33	32	33
3	Force of application tests	++	++	++	++	++
4	Physical appearance	Brown	Brown	Brown	Brown	Brown
5	Aging stability	Smooth	Smooth	Smooth	Smooth	Smooth
6	Ph of lipstick	7	7-8	7	7-8	7-8
7	Skin irritation tests	--	--	--	--	--

Conclusion

In last few decades there has been tremendous boost in use of cosmetics by women and demands of lipstick is more because of its colors and shine but herbal lipstick are good according result it concluded in other synthetic colors different problems are formed and it damage the skin so herbal lipstick is good for health also it give good color and effects. F3 and F5 batch found to ideal formation of lipstick and it show good result than other batches. 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. All ingredients are naturel used for reduce side effects.

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