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## EVALUATION OF HERBAL LIPBALM AND HERBAL LIPSTICK

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### ABSTRACT

It is well observed that demand of cosmetic is higher. People have already shifted their focus from Chemical to Natural products, most beauty products are made of chemical and therefore, it affects the skin. Any nonsufficient product used on it can shows it result in a few minutes, it can lead to swelling, inflammation, discoloration and etc. Here the research is about lips asit a sensitive overall the face skin. In this research we have prepared Harbal lipbalm by using colored pigment like Strawberry and Hibiscus Rosa flowers and Harbal lipstick using Beta vulgaris taproot.

**Keywords: Coconut oil, vitamin E, petroleum jelly, jojoba oil, beeswax**

### INTRODUCTION

In today's era, there is an increasing demand of natural and organic products whether it is food or cosmetics. There has been a constant belief of human beings in non-chemical-based products, as a living being we all faces versatility in the behavior of the skin types. Numerous textures do not respond greatly to chemicals. Conversely, herbal products always elucidate positive results disregards

to skin type [1, 2]. Ozone layer depletion can consider as a key factor to all the diseases spreading worldwide as it does not curb Ultraviolet (UV) Rays. Derma of lips is the most sensitive one which is very tricky to take care [3, 4]. Here the dye refers to the extraction of color from plants and fruits which would give minimal or zero inconvenient effect onto the lips and will provide attractive look to the pale lips

[5]. For stable structure and smell, wax and food essence can be the best options provided respectively [6, 7, 8]. Raymond Read, a member of the United States Society of Cosmetics Chemists, coined the term "cosmeceuticals" in 1961. The word "cosmetic" comes from the Greek word "(kosmtikos)," which meaning "having the ability to organise and decorate" [9, 10].

Herbal cosmetics are popular nowadays and are preferred over chemical as these products provide nutrients to the body enhance health and are free from synthetic chemicals and have no side effect as compared to the synthetic cosmetics. Some of the advantage of using natural cosmetics like It is affordable, non-expensive, Compatible with the body, Natural and there are no adverse effects etc. which make them a better choice over the synthetic ones [11].

Hibiscus rosa flower, strawberry, Beta vulgaris root were used in preparation of herbal lip balm and lipstick. Hibiscus rosa flower is an evergreen shrub with an ovate shaped leaf. This flower has various colors i.e., pink, white, red, orange, yellow and many more. Strawberry is Europe originated plant which is rich in fiber both soluble and insoluble. Also, it is an excellent source of vitamin C and manganese. Esters, terpenes, and furans are chemical compounds having the strongest relationships to strawberry flavor and

fragrance, with a total of 31 volatile compounds significantly correlated to favorable flavor and fragrance [12-15].

Beetroot (*Beta vulgaris*) is that the main supply of natural red dye, called "beetroot red". Among the betacyanin's present in plants include betanin, iso-betanin, pro-betanin, and neo-betanin. Betanin is that the main part of the red colorant extracted from common beet.

#### PREPARATION OF HERBAL LIPBALM AND LIPSTICK

Hibiscus flower lipbalm was prepared by melting 12 gm of beeswax with 24 gm of petroleum jelly and 5 mL of the hibiscus extract dye was added. 0.5 ml of jojoba and coconut oil was added for moisturizing purpose. 500 mg of vitamin E was added which contain antibacterial properties. The mixture was mold at the room temperature. STRAWBERRY LIPBALM was prepared by melting 12grams of beeswax with 24 grams of petroleum jelly by adding 5ml of hibiscus extract dye. 0.5 ml of jojoba and coconut oil was added. 0.5 ml of strawberry extract, 0.1 gram of orange pill powder which can hydrate and moisturize the lips and 500 mg of vitamin E was added. The mixture was mltat the room temperature.

Beta vulgaris lipstick was made up by using beat root extract which contain natural coloring agent. 15 gm bees' waxes were melted in Evaporating dish on water bath at 60 °C. Red pigment from

pomegranate was mixed with 10 mL coconut oil and heated at 40 °C. Rose water, Melted Bees Wax, Cocoa Butter and Beet root extract were added at 40°C, then mixture was poured into lipstick mold to get prepared lipstick.

## EVALUATION OF HERBAL

## LIPBALM AND LIPSTICK BY DIFFERENT PARAMETERS

(a) Determination of Melting point: Both the product was added in glass capillary and temperature was observed when the substance was melted.

**Table 1: Melting Point of Herbal Lip balm and Lipstick**

Sr No.	Product Name	Melting Point
1.	Hibiscus Flower Lipbalm	68 <sup>0</sup> c – 69 <sup>0</sup> c
2.	Strawberry Lipbalm	64 <sup>0</sup> c – 65 <sup>0</sup> c
3.	Beetroot Lipstick	50 <sup>0</sup> c – 55 <sup>0</sup> c

(b) Determination of solubility: The formulated herbal lipsticks were dissolved in various solvents such as ethanol, petroleum ether, chloroform, benzene, phenol etc. to observe the solubility.

**Table 2: Solubility of Herbal Lip balm and Lipstick**

Sr No.	Product Name	Ethanol	Phenol	Chloroform	Ether
1.	Hibiscus Lipbalm	Soluble	Insoluble	Insoluble	Insoluble
2.	Strawberry Lipbalm	Soluble	Insoluble	Insoluble	Insoluble
3.	Beetroot Lipstick	Insoluble	Insoluble	Soluble	Insoluble

(c) Determination of pH: The pH of formulated herbal lip balm and lipsticks were determined using pH meter. 1 gm of sample was dissolved in 100 ml of water and pH of the sample was analyzed.

**Table 3: pH of Herbal Lip balm and Lipstick**

Sr. No.	Product Name	pH
1.	Hibiscus Lipbalm	6.8 – 7.0
2.	Strawberry Lipbalm	6.9 – 7.1
3.	Beetroot Lipstick	7.1 – 7.4

(d) Stability Study: Stability study of herbal lipstick and lip balm observed up to four months.

**Table 4: Stability Studies of Herbal Lip balm and Lipstick**

Name of Product	Wt. after months in gm			
	1 Month	2 Month	3 Month	4 Month
Nt. Wt. of Hibiscus Lipbalm	20.8	20.6	20.6	20.6
Nt. Wt. of Strawberry Lipbalm	20.5	20.4	20.4	20.3
Nt. Wt. of Beetroot Lipstick	8.20	8.18	8.15	8.15

(e) Organoleptic properties: The lip balm and lipstick were studied for organoleptic characters such as color, odour, taste and appearance.

Table 5: Organoleptic properties of Herbal Lipbalm and Lipstick

Sr. No.	Product Name	Color	Order	Teste	Appearance
1.	Hibiscus Lipbalm	Wine Red	Pleasant	Sweet	Excellent
2.	Strawberry Lipbalm	Orange Red	Pleasant	Sweet	Excellent
3.	Beetroot Lipstick	Pinkish Purple	Pleasant	Sweet	Excellent

## RESULT AND DISCUSSION

Different natural ingredients were used for formulating natural lip balm and lipsticks that contain coloring agent which is a natural colorant obtained from herb Hibiscus rosa sinensis, Strawberry, Beta vulgaris and the effect of different natural ingredients on different evaluation

parameters in the formulation have been investigated. The prepared lipsticks were evaluated and it was found that herbal natural lip balm and lipstick. Hence from present investigation it was concluded that this formulated herbal lip balm and lipstick having minimal and no side effects and thus showing maximum local effect on lips.

Table 6: Result of Evaluation

Sr. No.	Evaluation Parameters	Hibiscus lipbalm	Strawberry Lipbalm	Beetroot Lipstick
1.	Melting Point	68 <sup>o</sup> c – 69 <sup>o</sup> c	64 <sup>o</sup> c – 65 <sup>o</sup> c	50 <sup>o</sup> c – 55 <sup>o</sup> c
2.	Solubility	Ethanol	Ethanol	Chloroform
3.	pH	6.8 – 7.0	6.9 – 7.1	7.1 – 7.4
4.	Skin Irritation	No	No	No
5.	Color	Wine Red	Orange Red	Pinkish Purple
6.	Odor	Pleasant	Pleasant	Pleasant
7.	Appearance	Excellent	Excellent	Excellent
8.	Taste	Sweet	Sweet	Sweet

## CONCLUSION

Due to tremendous demands of beauty enhancing products cosmetics industry is flourishing. This work has great scope of commercialization of natural lip balm and lipsticks. This also studied all aspects of natural lip balm and lipstick including natural ingredients, formulation methods, evaluation and applications.

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