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Formulation and evaluation of herbal lipstick from pomegranate pigments

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Abstract

Herbal cosmetics are most obtaining acceptance in our society because it is made from natural raw materials. And easy to use with minimum side effects. Or no side effects. The present work was done by using pomegranate and sinduri as colouring pigments for colour of lipstick. And many natural ingredients were use in the development of herbal lipstick. Herbal lipstick is free from harmful chemical hazardous and herbal lipstick have many advantages it is make lips healthy and soft as compare to other marketed lipsticks. This presented lipstick was evaluated with different parameters like smoothness, greasiness, melting point, solubility, breaking point and perfume stability etc.

Keywords: Herbal lipstick, Evaluation, colour

Introduction

The word cosmetic is defined as substance which is beautify and hygiene the skin. Herbal cosmetics have a growing demand worldwide and it is an invaluable gift of nature. There is a wide range of herbal products to satisfy the beauty regime. The drawback of the personal healthcare system is the side effects of synthetic preparation. Hence, people are opting for herbal medicine. There are various shades are available in market. In present days use of cosmetic products has increased, and choice of color shades, textures, This can be observed from the fact that lipstick is being marketed in hundreds of shades of colors to satisfy the increasing demand., Sometime during the food the lipstick is eaten by women therefor the colouring harmful pigments were also gone in stomach with food, which may cause harmful effects, so to overcome these situation, the herbal lipsticks are formulated. Herbal Cosmetics are most acceptance in our society now days. As comparison with commercial cosmetics the herbal cosmetics are most adopted thing. As we can see the herbal cosmetics have minimum side effects or no side effects. In present work there is lipstick which is prepared from pomegranate pigment and sinduri. The pomegranate is for pink colour and sinduri is use for orange colour. The ingredients are use in herbal lipstick are give benefit to lips like lemon juice is use for as an antioxidant and as well as vitamin E capsule is also use as an antioxidant. The ideal characteristics of lipsticks are that it should be non-irritating and non-toxic, should be stable both physically and chemically, should be free from gritty particles. The herbs which are used in cosmetic preparation have varieties of properties like antioxidant, anti-inflammatory, antiseptic, antibacterial and moisturizing activity. Thus the lipsticks which are made from herbs are safe and effective than marketed products.

Methodology

Preparation of pomegranate pigments First of all Washed pomegranate and peeled it. Then pomegranate blended. Collect Juice of Pomegranate. And keep juice boil for few minutes. After That add ghee 1 tb spoon.



Fig 1: Pomegranate Juice

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The another colouring pigment is use from sinduri. The seeds are collected from sinduri and crushed it in mortar pastel. The add some water. This pigment give orange colour to lipstick.



Fig 2: Sinduri



Fig 3: Sinduri Juice

Preparation of herbal lipstick

1. Wash and clean lipstick mould. Using detergent. (if required) and water. Lubricate it with liquid paraffin and place it in inverted position on ice to drain excess lubricant. And to cool lipstick mould.
2. Weight bees wax and paraffin wax and transfer it to porcelain dish, then place it on water bath untill proper melt and mix. (Bees wax, paraffin wax, with coconut oil)
3. Add acacia to above melten mixture. And stir it well.
4. Pomegranate pigment, and lemon juice as well as also added.
5. Add vitamin E. capsule and peppermint oil is added. Pour these dispersion in cavities of lipstick mould in excess quantity till overfills and place mould on ice for half n hour.
6. Trim or scrap excess quantity after solidification using knife or blade and open mould to remove lipstick
7. Fill individual lipsticks in lipstick container.

Table 1: Experimental Work

| Sr. No. | Excipient | F 1 | F2 | Uses |
|---------|-------------------------------|-------|-------|--------------------|
| 1 | Pomegranate (colour pigments) | 10 ml | - | Colouring agent |
| 2 | Bees wax | 36 gm | 36gm | Thickening agent |
| 3 | Paraffin wax | 28 gm | 14 gm | Base |
| 4 | Coconut oil | 2 ml | - | Moisturising agent |
| 5 | Lemon juice | 2ml | 2ml | Antioxident |
| 6 | Vitamin E capsule | 1 | 1 | Antioxident |
| 7 | Peppermint oil | 2 ml | 2ml | Flavouring agent |
| 8 | Vanilla Essences | 1 ml | 1 ml | Flavouring agent |
| 9 | Sinduri (colouring agent) | | 5 gm | Colouring agent |
| 10 | Acacia | 1gm | 1gm | Additive |



Fig 4: Prepared lipstick from Sinduri pigment



Fig 5: Prepared lipstick from pomegranate pigment

Evaluation Parameters

1. **Colour and Texture:** Formulated lipstick was checked for colour, glossy and smoothness.
2. **pH parameter:** The pH of formulated lipstick was determined by using digital pH meter.
3. **Skin Irritation Test:** This Test was carried by applying on the skin and left for 10. Min., Found that there was no irritation on skin.
4. **Melting Point Determination:** The determination point done in order to determine the storage characteristic of the product. The rising point of lipstick should be between 60 to 65 *C. Melting point of lipstick is determined by capillary tube method. The capillary is filled with lipstick and attached to the thermometer. At temperature which lipstick is melted recorded as melting point.
5. **Breaking point Test:** This test is done to determine the strength and hardness of prepared lipstick. In this methpd the prepared lipstick is placed horizontal position 1 inch from thye base. Weight is gradually loads on attached. At the weight on which lipstick starts to Break, it is known as breaking point.
6. **Perfume Stability:** The formulated lipstick fragrance check for 30 days after preparation.
7. **Force of application:** It is measure for application of Lipstick.
8. **Solubility test:** The formulated lipstick was dissolved in various solvent to check solubility.

Table 2: Evaluation result of Herbal Lipstick.

| Sr. No. | Evaluation Parameter | Inference |
|---------|----------------------|-----------------------|
| 1 | Colour | Orange |
| 2 | Texture | Smooth |
| 3 | Odour | Aromatic |
| 4 | pH | 6.2 |
| 5 | Skin Irritation | No |
| 6 | Melting Point | 60-62* C |
| 7 | Perfume Stability | Good |
| 8 | Force of Application | Smooth |
| 9 | Solubility test | Soluble in Chloroform |
| 10 | Breaking Point | 32 Gm |

Conclusion

Herbal lipstick is helps in medicinal that make softening, moisturising the lips, reduce inflammation. In this present work extraction of colour pigments from pomegranate by using ethanol successfully. The another pigments used of sinduri for orange pigments. The pigments of colour collected successfully. The present study included that this formulated herbal lipstick is more satisfactory than marketed lipstick. The herbal lipstick has minimum side effects and the natural colourants are more satisfactory than marketed.

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