

Formulation And Evaluation Of Herbal Lipstick From Beetroot

Ajay A. Ubale, Aditya B. Jagtap, Prof. Abhijeet R. Shete, Dr. Megha T. Salve

Department of Bachelor in Pharmacy

Shivajirao pawar college of pharmacy, pachegaon, Ahilyanagar-413725

Email ID-uajay4794@gmail.com

Corresponding Author: Ajay A. Ubale, Aditya B. Jagtap

Abstract

Nowadays, herbal lipsticks are becoming more and more popular due to the fact that natural cosmetics are safe and easy to use for women. Dyes can cause allergies and have naturally been found to cause cancer. The aim of this study includes the preparation and evaluation of herbal lipsticks using natural colorants such as carrot, beet, turmeric, tomato, pomegranate and cocoa. Various ingredients such as beeswax, carnauba wax, Vanilla extract, castor oil, soft white paraffin, strawberry extract, vitamin E and lemon juice are used to make herbal lipsticks. Herbal lipsticks have fewer side effects. To keep lips healthy, lipsticks with natural ingredients or herbal ones containing nutrients can be used. This review mainly focuses on the natural ingredients, formulation, extraction and imperfections of the lipstick. Herbal lipsticks have no side effects and that's why we make herbal lipsticks. Also run Parameters such as quality, density, melting point, breaking point and pH parameters.

Keywords: *Natural, Herbal, Color, Ingredients, Lipstick, Formulation, Side Effect, Saf*

INTRODUCTION:

The term cosmetics is defined as substances coming from different sources, brought together scientifically and used to cleanse, reduce, cover imperfections and beautify skin problems, and is used in a broad sense in this document to include oral hygiene. Cosmetics are substances used to improve the appearance of the human body. [1]

Cosmetics have become an important part of every woman's life. Herbal cosmetics are products made from a variety of approved cosmetic ingredients using one or more herbs to provide a variety of cosmetic benefits. [2]

It is a cosmetic product that enhances a woman's beauty. Herbal lipsticks are used to give good color, texture and protection to the lips. Lipstick is a cosmetic product that contains waxes, oils, pigments and dyes, alcohols and fragrances, antioxidants and antioxidants, colors and surfactants. This lipstick preparation does not damage Lips and has no side effects. It changes color and smoothes out wrinkles and lip gloss and shine. It is a popular cosmetic product with Lipsticks in different styles, designs and packaging. [3]

Lipstick has many benefits that will prevent lips from drying and cracking. It brightens your smile and provides moisture to your lips. Herbal lipstick contains many nutrients that are safe for the mouth. It does not contain parabens, sulfates, phytates and other chemicals that are unsafe to use; That's why we make our lipsticks from plants such as beeswax, beetroot juice, castor oil and vanilla extract. [4]

Lipstick is the most commonly used cosmetic in make-up to enhance the beauty of the lips. A good lipstick should have certain qualities that make it attractive to customers, such as good texture and antioxidant properties. Foundations, creams, emollients and colors are just a few of the many things that go into making a good lipstick. The properties of lipstick are texture, melting and hardness, which vary by changing the ratio of the Ingredients used in its preparation [5]. Natural cosmetics are suitable for all skin types. Regardless of your skin type, whether you're a

brunette or a blonde, you'll find natural make-up such as foundation, eye shadow and lipstick suitable for women with oily or sensitive skin. Charcoal, whether made from charcoal or synthetic fibers, can cause cancer.[6]

The herbs used in cosmetic preparation have varieties of properties like antioxidant, anti-inflammatory, antiseptic, and antibacterial[7]. These herbal products claim to have no side effects that are commonly seen with products containing synthetic agents. The literature in Ayurveda, especially CharakaSamitha, stated numerous medicinal plants.[8]

Types of lipsticks with basic characteristics:

1. Moisturizing Lipsticks:-

Individuals who have dry lips should use moisturizing lipsticks as it keeps lips soft and smooth. These lipsticks moisturize lips due to ingredients like Vitamin E, glycerin and aloe. Other great things about using moisturizing lipsticks are wet and very shiny lips.

2. Satin and Sheer Lipsticks:-

These lipsticks also moisturize and nourish lips and ensure it is shiny and glossy. Sheer and satin lipsticks have high oil ingredients and they could appear Darker in the package than they are on lips. Another characteristic of lipsticks with oil components is that it must be repled many times.

3.Mate and Lipstick:-

Mate lipsticks are perfects selection for women who are seeking colorful and nice shade. These lipsticks have affectation of flat and not shiny lips. Your Lips will look smother and younger with matte lipstick. Plus it is advised to mix products with vitamin E and aloe with mate lipsticks.

4.Cream Lipstick:-

Women who'd small lips should use cream lipsticks. Lipstick with cream formula is not shiny, but it's smooth influence on lips. You need to use lip gloss Afterward for desire look. Cream lipsticks contain more wax to be able to protect lips, but also cause aftereffect of dry lips.

5.Pearl and Frosted Lipstick:-

Frosted lipstick makes lips sparkle and glisten. Pearl and frosted lipstick reflects light and makes very shiny effect on your own lips. Negative effects are That could cause lips feel heavy, crack and dry. It is advised to moisturize your lips before utilize this lipsticks.[9]

6.Gloss Lipstick:-

Gloss is extremely popular lipstick for girls with thin and small lips because make lips shine and improve the dimension of depth. Gloss may be along With traditional lipstick.

7.Long Wearing and Transfer Resistant Lipsticks:-

Women who don't have time to utilize Lipstick frequently may use long wearing lipstick. These lipsticks have formula that keep lips look perfect from 4-8 hrs. They're resilient and soon you eat something greasy or oily. Many of them contain moisturizer to balance the dryness of lips.[10]

Ideal Characteristics of Good Lipstick:

- 1) It should be non – irritant.
- 2) It should have required plasticity.
- 3) It should non-toxic.
- 4) It should be stable (physically and chemically).

- 5) It should not dry on storage.
- 6) It should be free from gritty particle.
- 7) It should be long lasting.
- 8) Its appearance should be smooth, shiny and free from Sweating.
- 9) It should have pleasant taste, odor and flavor.
- 10) It should not melt or harden within reasonable Variation of climatic temperature.[11]

Aim- Formulation and evaluations herbal lipstick.

Objective-

Used for to give the external appearance.

For lips moisturizing.

Good looking.

To enhance beauty of lips.

Material and methods:

Materials:

Bees wax, paraffin wax, castor oil, beet root powder, lemon juice, vanilla essence, rose water. These are the various ingredients which are used for the preparation of herbal lipstick. Vanilla essence and rose water purchased from the local market of Shrirampur. Lemon juice was squeezed from the lemons practically. Bees wax, paraffin wax and castor oil were used from laboratory.[12]

Selection of herbs:

The selection of herb used in the formulation of herbal lipstick based on the literature survey.

1) Collection of plant material:

Beetroot was purchased from the local market of Shrirampur.

2) Extraction method-

Beetroot Extraction: Beetroot was purchased from local market of Bardoli. Beetroot was Washed, Peeled and cut into uniform-sized fine slices. Spread it over a butter paper, cover With a fine mesh and allow it to shade dry for a day. If there is any moisture left dry in it in an Oven. Take the dried beetroot and grind it into



a fine powder. Pass the powdered material Through a fine sieve. Check for any grainy particles. Sieve it again if required. Weight the Amount of powder and pack it.[13]

Formulation Table of Lipstick containing Herbal Ingredients:

Ingredients	Use	F1
Castor oil	Blending agent	8ml
Paraffin wax	Glossy and hardness	12gm
Bees wax	Glossy and hardness	13gm
Beet root juice	Colouring agent	10ml
Lemon juice	Antioxidant	0.5ml
<u>Rose water</u>	Flavouring agent	1ml
Vanila essence	Preservative, Q. S	q. s

Method of Preparation of Herbal Lipstick:

The herbal lipstick was prepared by general method of lipstick formulation. Bees wax and paraffin wax were melted in china dish on water bath till becomes hot liquid. Beet root powder mixed with required quantity of castor oil and heated. Then add the first preparation into the second preparation. Now add required quantity of lemon juice and heat properly. After that add required quantity of vanilla essence and rose water. Then final formulation is kept in the mould and cool it by keeping in ice for 30 mins. After 30 min remove and the store prepared lipstick in refrigerator.

Evaluation test:

1)Organoleptic properties:

The formulated lipstick was evaluated for organoleptic properties such as color, odour,and texture.[14]

2)Determination of pH : -

The pH of herbal lipstick was determined by using pH meter, the average result of each formulationwas calculated and recorded.[15]

3)Skin Irritation test:

The prepared herbal lipstick formulations were studied for the skin irritation test. The skin irritation test done by applying the formulated herbal lipstick on the skin for 15 minutes and observe result.[16]

4)Perfume stability:

The formulation herbal lipstick was tested after 30 days, to record fragrance.[17]

5)Melting point:

This test is done to know about the limit of safe storage. Determination of melting point was done by taking a melted lipstick sample and filled it into a glass capillary tube. The capillary tube is then subjected to cooling in ice for about 2 hrs and is then tied to a thermometer. This assembly was then dipped into a beaker containing water which was subjected to continuous stirring. A temperature at which the material starts moving along the capillary tube is considered as melting point.[18]

6)Breaking point:

The breaking point test is to determine the strength of lipstick place lipstick horizontally in a socket inch away from the edge of support. Increases the weight by specific values (10gm) at a specific interval of 30 seconds and weight at which breaks in considered as the breaking point.[19]

7)Solubility test

The formulated herbal lipstick was dissolved in various solvents to observe the solubility.[20]

8) Aging stability

Prepared herbal lipsticks were stored at refrigerator temperature (4°C), room temperature (20-30°C) and high temperature (40-50°C) for 1hour. Various parameters such as bleeding, crystallization and ease of application were observed.[21]

RESULT AND DISCUSSION:**RESULTS**

Evaluation parameters	Inferences
Colour	Reddish colour
Texture	Smooth
Odour	Aromatic
Determination of PH	6.9 ± 0.2
Skn irritation	No irritation
Perfume stability	++
Melting point	53-54
Breaking point	24
Aging test	Smooth

DISCUSSION

The present work formulation and evaluation of herbal lipstick was aimed to Formulate a lipstick using herbal ingredients with a hope to minimize the side effects as Produced by the available synthetic ones. Herbal lipstick has been tremendous boost in use Of cosmetic by women. It also help the medicinal that softening, reduce inflammation, Moisturizing the lip.

The development of natural cosmetic ingredients must be accompanied by efforts to improve the quality of raw materials used in the extracts. Due to the many variables that influence the amount and content of active ingredients in a plant, raw materials are not guaranteed to have homogeneous active constituents qualitatively and quantitatively.

Therefore, standardization of raw material extracts of natural sources is demanded from researchers in the field of herbal cosmetics. [22]

Cosmetics with the natural ingredients are safer than the synthetic means the chemical-based cosmetics. Cosmetics prepared with the natural ingredients have

ability to protect the skin. The present work formulation and evaluation of herbal lipsticks were carried out to formulate a herbal lipstick using natural ingredients which has minimum side effects compared synthetic ones. The present formulation of herbal lipsticks formulated by using different natural ingredients, such as Bees wax, castor oil, paraffin wax, beetroot powder, rose water, vanilla essence, lemon juice. Beet root used as a natural coloring agent it better option as compared to the synthetic color which have hazardous side effects. The formulation of herbal lipstick containing were prepared and evaluated tests were performed.

CONCUSSION

In the present work, containing herbal Ingredients was prepared successfully according to the Given formulation. Study concluded that herbal lipstick can be successfully formulated using different natural ingredients such as bees wax, paraffin wax, castor oil, Vanilla & rose essence, and lemon will be better option for synthetic coloring agents which may arise different side effects. Consumers can take safe and effective advantage of this herbal lipstick after thorough clinical trials.

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