

**FORMULATION AND EVALUATION OF HERBAL LIPSTICK CONTAINING
POMEGRANATE JUICE, BEET ROOT EXTRACT, TOMATO JUICE, TURMERIC**

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ABSTRACT

Herbal cosmetics are the latest trend in the field of beauty and fashion. These beauty products provide proper nutrition, improve health and ensure user satisfaction compared to synthetic cosmetics. Currently, the popularity of herbal product has increased. The current work is aimed at making herbal lip balms using various natural ingredients such as pomegranate juice, Tomato, Beet roots, Olive oil, beeswax, paraffin wax, vanilla essence. The built-in herbal lipsticks were examined with parameters like color, melting point, breaking point, PH, skin biting test, aging firmness, was determined and reported. Because of various adverse effects of the synthetic preparations to improve patient compliance the current formulation was developed by us to make herbal lipstick. Side effects can be reduced by using herbal color quotes from different herbal sources. Current research focuses on lipstick background, composition, natural oils, bases, flavors, physical examination, makeup and lipstick imperfections. Lipstick containing synthetic colorants made from harmful chemicals and is very harmful to our skin. It causes many problems such as allergies, nausea, dermatitis, and dry mouth and can be very carcinogenic and deadly. Therefore, the demand for cosmetics containing herbal ingredients has increased considerably around the world because of their safety. From the current investigation it has been found that formulations with promising results such as pH 6, melting point 59-61°C etc. Based on the data, it can be concluded that the use of natural color in lip making has very little or no side effect. From the current investigated formulated batches F3 was found as optimized batch.

INTRODUCTION

The connection between beauty and makeup is daily driven by the media and advertising. Organizational Adjustment for Young Girls as it strives to achieve the unmistakable similarity of the image of a beautiful young model who is occasionally featured in the media. Cosmetics can be traced back to ancient civilization. In particular, the use of lip color was common among Sumerians, Syrians, Persians, Egyptians, Babylonians, and Greeks. Lipstick is made of dyes and dyes instead of the oil-wax scent. Lipstick holding tubes range from economical plastic suppliers for lip balm to decorative lipstick. The sizes of lipstick tubes are vary, but usually the lipstick is sold in a tube that is 3 inches (7.6 cm) long and 50 inches (1.3 cm) wide. The tube has two parts: the cover and the base. The base is made up of two compounds, a twist or a smoothie that will push the lipstick up for use. Since the tube manufacturer involves a completely different technology, we will focus on the lipstick manufacturer only. Herbal lipstick is a cosmetic product that contains waxes, oils, fragrances, antiseptics, antioxidants and pigments. These lipstick preparations do not damage our lips and have no side effect. The most beneficial lipstick should be to protect the lips from

dryness and cracking. It brightens the smile of women and gives flow to our lips. In the development of herbal lipstick, there are many natural ingredients or nutrients like herbs, leaf's, fruits, etc. are used and that are safe on the lips and keeps it healthy. Herbal lipstick does not contain harmful chemicals. Proper Features of Herbal lipstick. It should be free from impurities. It is easily accessible and safe to use. Not irritating any damage to the skin. Have the right texture, smell, color and packaging, etc. No color change at the last moment.

MATERIAL AND METHOD

Sr.No.	Ingredients	Quantity Taken	Use
01	Bees Wax	14 g	Thickening agent
02	White Soft paraffin	06 g	Base
03	Pomegranate Juice	1 ml	Antioxidant
04	Beet Root extract	1 ml	Coloring agent
05	Tomato Juice	1 ml	Antitanning agent
06	Turmeric powder	0.5 g	Anti-inflammatory
07	Tulsi Extract	0.5 g	Cooling agent
08	Accacia	1 g	Additive
09	Olive oil	4 ml	Moisturizing agent
10	Lemon juice	1 ml	Antioxidant
11	Peppermint oil	1ml	Flavoring agent
12	Vanilla Essence	q.s.	Preservative

1. Pomegranate Juice



Pomegranate (*Punica granatum*) is a fruit tree of the Lythraceae family, a subfamily of the Punicoideae family. They may have several benefits for your body, perhaps reducing the risk of various diseases. They are fullfill with fiber, vitamins, minerals and bioactive plant compounds, but also contain sugar. Pomegranates Contain a Combination of Two Plants With Powerful Medicinal Properties.

i) Punicalagins Punicalagins are the most powerful antioxidants found in pomegranate juice and peel. They are so powerful that Pomegranate juice has been found to triple the antioxidant activity of red wine and green tea. The extraction of pomegranate and powder is usually done on a page, due to its high antioxidant content and punicalagin.

ii) Punicic acid Punicic acid, found in pomegranate oil, is the main fatty acid in the arils. It has strong biological effect from conjugated linoleic acid. Pomegranate Has Amazing Surveillance Effects Chronic inflammation is one of the leading causes of many serious illnesses. Pomegranates have strong anti-inflammatory properties and they are closely linked to the antioxidant properties of punicalagins.

2. Beet Root



Beta vulgaris (beet) is a species of flower that grows in the small Betoideae family of the Amaranthaceae family. Beets contain an antioxidant called alpha-lipoic acid. It is a great source of iron. These are important vegetables, especially for those with iron deficiency and iron deficiency. The use of beetroot does a great job of helping you build healthy blood levels in your system. Beetroot also works wonders to keep your skin, hair, nails and even your bones healthy and strong. It is packed with essential vitamins and minerals, such as silica, Vitamin C, calcium, and iron. It contains a strong pigmented pigment and is also used as a coloring agent in many cosmetic applications.

3. Tomato



Tomato, (*Solanum lycopersicum*), flowering plant of the nightshade family (Solanaceae), Tomatoes are a rich source of lycopene, lutein, and beta-carotene. These are powerful antioxidants that have been shown to protect the eyes Trusted Source against light-induced damage. Vitamin C is a strong antioxidant; a low intake is associated with increased damage from sunlight, pollution, and smoke. This can lead Trusted Source to wrinkles, Sun tanning, sagging skin, blemishes, and other adverse health effects of the skin. Tomatoes have a wealth of vitamin as well as mineral content.

4. Turmeric



Turmeric is a flowering plant, *Curcuma longa* from the ginger family. Turmeric contains antioxidants and anti-inflammatory properties. These features may also give light and shine to the skin. Turmeric can also rejuvenate your skin by releasing its natural light. The curcumin

found in turmeric can help wounds to heal by reducing inflammation and oxidation. This natural ingredient will keep your skin healthy and hydrated by reducing the symptoms of itchy, dry, and inflamed Eczema.

PROCEDURE

Preparation of Herbal lipstick

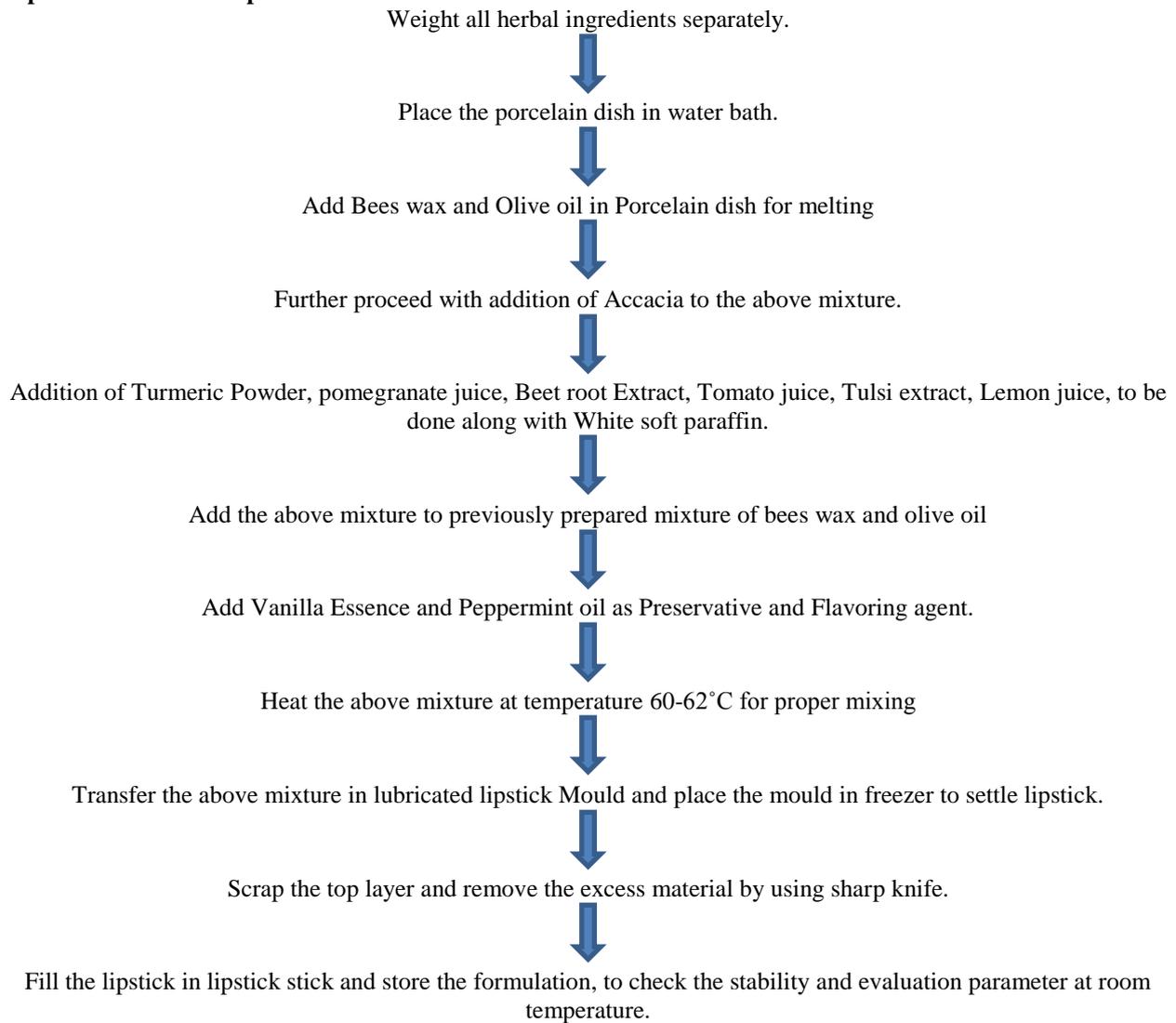


Fig:-01 Preparation of Herbal Lipstick



Fig:- 02 Trial Batch



Fig. 03: Prepared Herbal Lipstick.

EVALUATION OF PREPARED HERBAL LIPSTICK

1. Melting Point

Melting point is important for indication of the limit of safe storage. The melting point of formulated lipstick was determined by using capillary tube method. The capillary was filled and kept in the capillary apparatus. It is observed that the product was stated slowly melting, after sometimes it observed that the product was completely melted. The same procedure was done 3 times and the melting point ratio was observed in all formulation.

2. Breaking point

To determine the strength of lipstick Breaking point parameter was performed. The lipstick was held horizontally in a socket inch away from the edge of support. The weight was gradually increased by a specific value (10 g) at specific interval of 30 second and weight at which lipstick breaks was considered as the breaking point.

3. Force of application

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

4. Surface anomalies

To identify surface defects, such as no formation crystals on surfaces, no contamination by moulds, fungi etc. this parameter was performed.

5. Aging stability

To perform aging stability of the lipstick, the products were stored in 40°C for 1 hrs. Various parameters such as Breaking, crystallization on surface and ease of application were observed.

6. Solubility test

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

7. pH

With the use of pH meter the pH of formulated lipsticks was determined.

8. Skin irritation test

The formulated lipstick was tested for irritation test by applying product on the skin for 10 min.

9. Perfume stability

The formulated herbal lipsticks were tested after 30 days, to record fragrance.

RESULT AND DISCUSSION

By using various natural ingredients the herbal lipstick was prepared by varying the concentrations. The prepared lipstick was evaluated by using above different parameters. From the above formulated batches F3 was found as optimized batch.

Sr. No.	Parameter	F1	F2	F3	F4
01.	Color	Baby Pink	Red	Reddish Pink	Red
02.	Melting Point	55-57°c	58-60°c	59-61°c	59-61°c
03.	Breaking Point	27	30	32	30
04.	Force of application	Moderate	Good	Good	Good
05.	Surface anomalies	Defect	No Defect	No Defect	No Defect
06.	Aging stability	Smooth	Smooth	Smooth	Smooth
07.	Solubility test	Soluble in	Soluble in	Soluble in	Soluble in

		Chloroform	Chloroform	Chloroform	Chloroform
08.	pH	7	7	6	4.8
09.	Skin irritation test	No Irritation	No Irritation	No Irritation	Mild Irritation
10	Perfume stability	Good	Good	Good	Good

CONCLUSION

Herbal lipstick is prepared by using natural ingredients and hence they give non-toxic effect. It nourishes lips for long period of time. In the current work the prepared formulation shows good effect towards above mention Evaluation parameters with no side effect. It was concluded that formulation of herbal lipstick using this natural ingredients was more satisfactory and the formulated products can be cost effective.

Design and characterisation of Nutraceutical lipstick of Beetroot Powder. Innovative International Journal of Medical and Pharmaceuticals Sciences, 2019; 4(2).

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