

# Formulation and Evaluation of Herbal Lipstick

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**Abstract:** A considerable amount of literature has been published on several aspects of lipsticks Production. To date, there is no collation of studies related to lipsticks production that has been published. This review was conducted to examine information about the history of lipsticks; ingredients Used in the Preparation of lipsticks, focusing on the natural and chemical ingredients; methods of Preparation for the Lipsticks; and the characterization of the lipsticks. A literature search for English Language articles was Conducted by searching electronic databases including Web of Science, Scopus, PubMed, and Google Scholar. Overall, the evidence indicates that lipsticks have been used since Ancient times and are among The highest demand cosmetics. The findings of this review summarize Those of earlier studies that explained The use of different types of ingredients in the manufacturing Processes of lipsticks. It highlights the Importance of using green technology and ingredients..

**Keywords:** lipsticks; lipstick's formulations; cosmetics; characterization of lipsticks; lipsticks methods of

## I. INTRODUCTION

Definition of lipstick: Lipstick may be basically defined as dispersion of the colouring matter in a base consisting Of a suitable blend of oils, fats, and waxes with suitable perfume and flavours moulded in the form of sticks to impart Attractive glossy and colour , when applied on lips. Lipsticks provide moist appearance to the lips accentuating them Lipsticks are commonly composed of several different components, such as vegetable oils (castor oil, almond oil), Mineral derivatives (Vaseline oil, white petrolatum), pigments and waxes, which are not only used for aesthetic



Purposes but can also act as bioactive agents in extreme weather, e.g., UV protection [4,5]. Lipsticks are one of the Most widely used cosmetic products. Social, psychological, and therapeutic benefits can be attained from using lipstick. The beauty and attractiveness of a person are enhanced as lipsticks colour the lips and protect them from the external Environment. However, current lip care products not only emphasize aesthetic value but also preferably have added Medicinal value to the lip of consumers. This led to the emergence in the market of medicated lipsticks

**AIM AND SCOPE OF PRESENT WORK:**

The present work was designed on basis of different approaches of guided study on herbal Lipstick. The list of ingredients was made. Then the literature review was done. The Materials were collected and method of preparation was studied and the identification tests For coloring matter was performed of various herbal li

**OBJECTIVES:**

- Herbal colours are non-toxic, highly lipophilic, antioxidant and anti-microbial anti- Inflammatory and are used in leucoderma more particularly of lips.
- Colorant has different original shades of colours from purplish red, ruby red, beetroot Purple, dark violet, pastel red, pale red, purplish red, rose red, deep majenta, dark purple, Orange, deep violet.
- From these colours, by different combinations, further shades can be obtained.
- Colour may be changed to different shades with organic and inorganic acids and bases.

**IDEAL PROPERTIES**

- It should be nontoxic & nonirritant to the lips.
- It should impart uniform color to the area of application.
- It should make lips soft.
- It should have stability towards environmental conditions.
- It should completely free from grittiness.
- The container should operate easily

**II. MATERIAL AND METHOD**

**EXCIPIENT PROFILE :**

**WAXES :**

The function of waxes are to give structure to the lipsticks and it solid, even in warm Climates. Glossy and hardness of lipstick aer largely depend on the characteristics and Quantity of the waxes used.

**BEES WAX :**

A useful material to bind oils and higher melting point waxes. Higher concentration give a Dull waxy appearance and cause the stick to crumble during use bees wax the traditionl Stifing agent for lipstick and extensively used. Melting point of 62-64 degree celcius. It is Used as only wax the lipstick will lack gloss and will tend to drug on application. Bees wax Is the substance that forms the structure of a honeycomb. These wax convert nector into Wax, building honeycomb to store their honey. Ten pounds of honey product are pound of Wax. It has a honey –like arom



**COCONUT OIL :**

Used cosmetically or topically in general, Coconut oil can penetrate the skin easily, due to The small size of its molecules, which are almost as small as essential oli molecules and Which allows essential oils to be readily absorbed into the skin when combined with Coconut oil. Without clogging pores , coconut oil offers excellent emollience to dry , itchy Skin and hair , remaining suitable for sensitive , inflamed and irritated skin. In providing

Hydration , it creates a protective barrier on the skin’s surface , locking in moisture to soften l, lubricate and cool skin such as those affected by the discomforts of condition like Athlete’s foot , psoriasis , and warts. It effectively soothes sunburn and blisters , remove Dead skin , and promotes the growth of newer , healthier skin for a glowing complexion.



**Cocoa powder :**

Few things are worse than dry , cracked lips. Not only are they unsightly , cracked lips can Be exceedingly painful as well as – especially during the winter months when the weather is Harsh. If you find yourself facing in a wide –range of skincare products , may be your ticket To smooth , soft lips.

Because lips lack the protective outer layer and oil glands the rest of our skin has , They’re more susceptible to the elements. Cold , wind and dry air all wreak havoc on lips ‘thin skin. Cocoa powder , a rich fat derived



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**Rose essence :**

Rose oil is the essential oil extracted from the petals of various types of rose. Rose Ottos are extracted through steam distillation, while rose

Absolute are obtained through solvent extraction, the absolute being used more commonly In perfumery. Even with their high price & the advent of organic synthesis, rose oils are Still perhaps the most widely used essential oil in perfumery.



**Raw materials used in lipsticks**

- Waxes
- Oils
- Pigments and dyes
- Alcohol and fragrance
- Preservatives and

**Wax:**

Wax provides the structure to the solid lipstick. Lipsticks may be made from several waxes such as beeswax, ozokerite and candelilla wax. Because of its high melting point, carnauba wax is a key ingredient in terms of strengthening the lipstick.

**Oil:**

It is the addition of oil that gives lipstick its shine and translucent effect. Different types of oils, like castor oil, vegetable oil, lanolin and mineral oil are used in lipsticks.

**Pigments and Dyes:**

These are used in lipsticks to impart the desired color or shade to the lipstick. The dyes used in a lipstick include bismuth oxychloride, manganese violet, titanium dioxide, D&C Red No 6, D&C Red No. 21,

**Alcohol and Fragrances**

Alcohol is used as a solvent for the wax and oils used in making lipsticks. Fragrance is used for imparting a pleasant scent to the lipstick and to mask the smell of other ingredients.

**Preservatives and Antioxidants**

Preservatives and antioxidants are added to the lipstick to increase its shelf life and to prevent it from becoming stale or rancid.

Preservatives: methyl paraben, propyl

**Composition & Importance Of Different Ingredients Used For Preparation Of Herbal Lipstick**

1 Bees Wax	1 gm	Hard Wax(Hardness)
2 Coconut oil	1.5ml	Hard Wax(Hardness)
3 Olive oil	1ml	Soft Wax(Glossy)
4 Castor oil	1ml	Blending agent
5 Cocoa powder	2 gm	Coloring agent
6 Vanilla essence	5-6 drops	Flavoring agent
7 Rose essence	3 drops	Flavoring agent
8 Lemon juice	2 ml	Anti-oxidant

Colour pest was prepared by using olive oil and Cocoa powder color. All the Waxes like a bees wax were arranged in the increasing order of their melting point.

Waxes were melted and the color pests along with the were added in the method melted Wax melting point. After lowering the temperature perfume were added in the mixture.

This molten mass was poured

### **EVALUATION OF HERBAL LIPSTICK :**

It is very essential to maintain uniform standard for herbal lipstick, keeping these View in mind the herbal lipstick was evaluated on the parameter such as melting point, Breaking point force of application surface anomalies etc.

### **MELTING POINT:**

Determination of melting point is important as it is unindication of the limit of safe Storage. The melting point formulated lipstick was determine by capillary tube method, the Capillary was filled and keep in the capillary apparatus and firstly observed the product was Slowly slowly milted. After some time observed product was completely melted. The above Procedure was done in 3 times and melting point ratio was observed in all formulation

### **BREAKING POINT:**

Breaking point was done to determine the strength of lipstick. The lipstick was Held horizontally in a socket inch away from the edge of support. The weight was Gradually increased by a specific value (10gm) at specific interval of 30 second and Weight at which breaks was considered as the breaking point

### **III. CONCLUSION**

An herbal lipstick is used to rejuvenate the lips muscles maintain the elasticity of the Skin, remove adhered dirt particles and improve the blood circulation. The benefits of Herbal based cosmetics are their nontoxic nature. It nourishes the lip skin. This lipstick Supplies vital nourishment to the lip. It helps in the elimination of wrinkles, cracking, Dryness and folds on lips. Lipstick exfoliates little and provides a soothing, calming and Cooling effect on the lip. They restore the natural shine of lip in the optimum time period. Frequent Uses of natural lip improve lip texture and Attractive color. Pollution and harsh Climates badly affect the lip and these effects can be countered by the regular usage of Herbal lipstick. They help to retain the elasticity of lip cells, thereby controlling premature Aging of the lips. Wrinkles, Fine lines, can be effectively controlled by using natural lips. In This work, we found excellent properties of the herbal l

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