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## Formulation And Evaluation Of Herbal Lipstick

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### ABSTRACT

Lipstick is the restorative used to variety the lips. It improves the presence of the lips. Lipstick is utilized for the reason to further develop appearance, look appealing and security of lips for some kinds harming UV beams and so on. Home grown Lipstick is a corrective item containing shades, oils, scent, additives, varieties, surface and assurance to the lips. It has turned into a practically all inclusive constituent of women's totes. Wet lips, dry lips, gleaming lips, smooth lips, all are straightforward issues of restorative application Home grown lipsticks are acquiring notoriety since regular beauty care products are protected. In market many shades of varieties are accessible to fulfill the interest by the ladies' in structure like fluid as well as stick on lips. Natural lipsticks making least side impacts. It contains regular fixings or supplements it is protected to utilize that keep lips solid. Lipstick containing engineered colorants which are comprised of destructive synthetic compounds and it is exceptionally unsafe for our skin. Constant use for a really long time season of manufactured varieties might cause serious medical conditions like skin staining , lip disease, skin bothering, and so on .lipstick exhibit many kinds of adverse consequence like-sensitivity, sickness, dermatitis, and drying of the lips also, more serve/utilized even lethal. Thus, the interest of the beauty care products containing home grown fixings expanded generally on the grounds that it is protected. This survey paper is about the outline on natural lipstick which incorporates benefits, life systems of lips, optimal characters, detailing deformities and assessment.

**Keywords:** - Herbal, lipstick, medication, beauty, benefits, colorants.

## INTRODUCTION

Beauty care products have turned into a fundamental piece of each and every lady's life. Home grown beauty care products will be items which are figured out utilizing different passable corrective fixings in which at least one home grown fixings are utilized to give particular corrective advantages. Beauty care products are the substance use to modify of appearance or scent of human body. Lipstick are most generally utilized restorative included the make up to improve the magnificence of lips. Beauty care products are the substance use to adjust of appearance or aroma of human body. Lipstick are most broadly utilized restorative included the make up to improve the excellence of lips. A decent lipstick ought to have convincing qualities and be satisfactory to buyer, for example, having a reasonable surface and cell reinforcement properties. Bases, oils, emollient and colorant are among the range of parts that add to properties of fine lipstick. Surface, liquefying point and hardness of lipstick are the predominant qualities that are altered by shifting the proportion of part that are utilized in the plan. Colorant or shade are the part that assume a significant part in the lipstick definition as it decides the stylish worth of lipstick . A lipstick is a beauty care products item which is most generally utilized beauty care products. It contains shades, oils, waxes, and emollients that give tone, surface, and insurance to the lips. Many tones furthermore, sorts of lipstick exist. A few lipsticks are likewise lip ointments, to add tone and hydration.

## IDEAL CHARACTERISTICS

- It ought to give gleaming and smooth appearance liberated from perspiring
- It ought to be non-aggravation and non poisonous to the lips
- It shouldn't dry on stockpiling
- The compartment ought to work without any problem
- It ought to grant uniform tone to the area of use
- It ought to be liberated from abrasive particles
- It shouldn't liquefy or solidify inside sensible variety of climatic temperature

## ADVANTAGES OF HERBAL LIPSTICKS OVER SYNTHETIC LIPSTICKS

- 1.The fixing in the normal lipstick is all regular and is protected to utilize.
- They likewise contain regular supplement that keep lips sound.
- They have less or no perspective effects.
- They are non-harmful, profoundly lipophilic, enemies of oxidants, against microbial, calming, and are utilized in leucoderma of lips.
- Broad scope of variety to pick structure.
- Colorants has various firsts conceals of variety from purplish red, ruby red, beetroot purple, dim violet, pastel red, light red, purplish red, rose red, profound fuchsia, dull purple, orange , profound violet.
- Different blend and conceals can be gotten from these tones.
- By adding natural and inorganic acids and bases tone might be changed to various shades.[19]

## INGREDIENTS USED IN FOMULATION OF HERBAL LIPSTICK

### THICKENING AGENT:

#### 1- BEESWAX:

**Synonym:** paraffin-wax , Cranauba

**Biological source:** It is an item produced using the honeycomb of the bumble bee and different honey bees.

**Family:** Apidae

**Chemical constituents:** The super compound constituents are carbon (73.3%), hydrogen (13.2%) and oxygen (7.5%)

#### Uses:

- It is thickening specialist.
- Honey bees wax in utilized in lip-salve, lip-shine and hand creams.



Fig 1: Beeswax

## 2- PARAFFIN WAX:

**Synonym:** petroleum wax

**Biological source:** Paraffin wax, while chemically similar to the waxes found in plants and animals, is primarily derived from crude oil during the refining process. It's not directly extracted from biological sources like plant or animal waxes.

**Family:** Belongs to the family of hydrocarbon waxes ( Alkanes)

**Chemical constituents:** The primary chemical constituents present in paraffin wax are straight-chain hydrocarbons, primarily alkanes. These molecules typically range from C<sub>20</sub> to C<sub>40</sub> in length. Paraffin wax is composed mainly of saturated hydrocarbons, meaning they contain only single bonds between carbon atoms and are fully saturated with hydrogen atoms.

**Uses:**

- Paraffin wax is used in candles,
- Cosmetics.



**COLOURING AGENT:****1-Beetroot:**

**Synonym:** Beta vulgaris , Chukandar

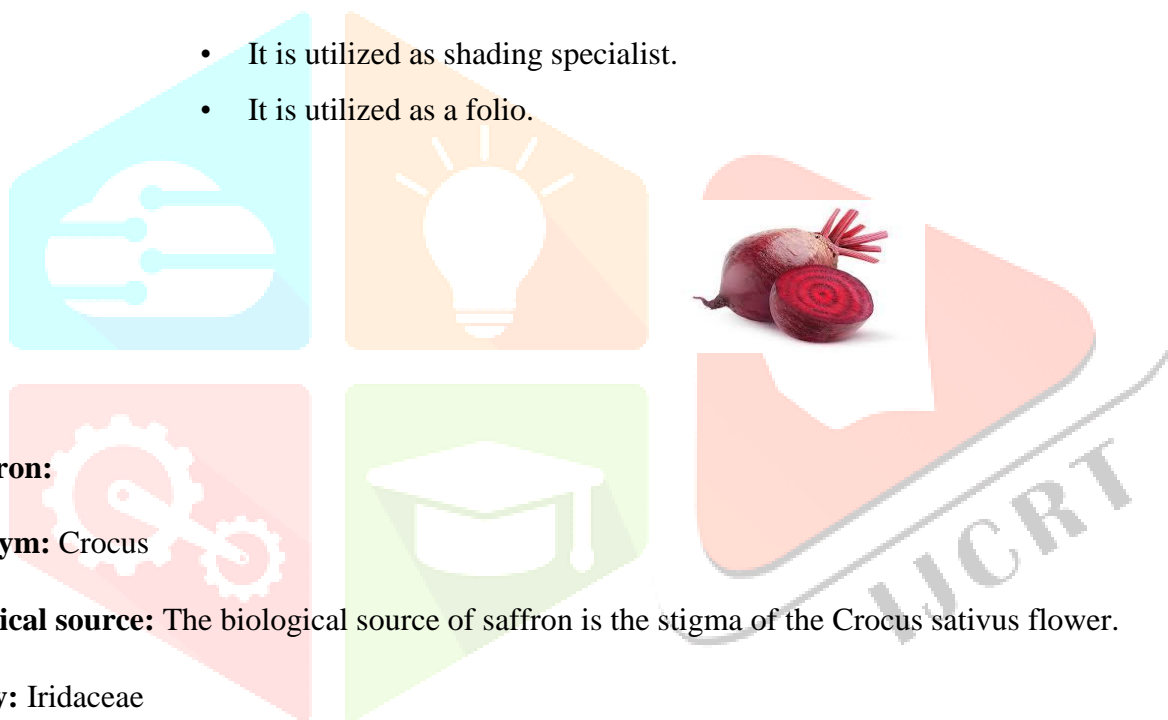
**Biological source:** It comprises of new foundation of Beta vulgaris.

**Family:** Amaranthaceae

**Chemical constituents:** : It consist of multiple biologically active phytochemicals including betalains , flavonoids, polyphenols, saponins and inorganic nitrate, it is a rich source of diverse minerals such as potassium, sodium, phosphorous, calcium, magnesium, copper, iron, zinc.

**Uses:**

- It is utilized as shading specialist.
- It is utilized as a folio.

**2-Saffron:**

**Synonym:** Crocus

**Biological source:** The biological source of saffron is the stigma of the Crocus sativus flower.

**Family:** Iridaceae

**Chemical constituents:** Saffron, derived from the flower Crocus sativus, contains several chemical constituents including crocin, picrocrocin, and safranal. Crocin is responsible for saffron's color, picrocrocin for its taste, and safranal for its aroma. Additionally, saffron contains various flavonoids, such as kaempferol and quercetin, and carotenoids like zeaxanthin and lycopene. These compounds contribute to saffron's antioxidant properties and potential health benefits.

**Uses:** Saffron has been used for centuries in culinary, medicinal, and cosmetic applications. Culinary uses include adding flavor and color to dishes such as rice, desserts, and beverages.



## OILS USED IN HERBAL LIPSTICK:

### 1-Castor oil:

**Synonym:** Ricinus oil

**Biological source:** Castor oil is derived from the seeds of the castor oil plant, scientifically known as *Ricinus communis*.

**Family:** Euphorbiaceae

**Chemical constituents:** Castor oil contains mainly triglycerides, with ricinoleic acid being the primary fatty acid constituent. Other constituents include oleic acid, linoleic acid, stearic acid, and palmitic acid, along with small amounts of various other compounds such as vitamin E and sterols.

**Uses:** Castor oil has various uses, including as a natural laxative, humectants, moisturizer for skin and hair, treatment for minor skin irritations, and as a component in cosmetics and industrial products like lubricants and biofuels.



### 2-Olive oil:

**Synonym:** *Olea europaea* oil.

**Biological source:** Olive oil is extracted from the fruit of the olive tree, scientifically known as *Olea europaea*.

**Family:** Oleaceae

**Chemical constituents:** Olive oil primarily consists of triglycerides, with oleic acid being the most abundant fatty acid constituent. Other important fatty acids present include linoleic acid and palmitic acid. Additionally,

olive oil contains various minor components such as squalene, sterols, tocopherols (vitamin E), and phenolic compounds, which contribute to its flavor, aroma, and health benefits.

**Uses:** Olive oil has numerous uses, including culinary applications such as cooking, frying, and salad dressings. It is also utilized in skincare products, hair care treatments, and as a natural moisturizer.



### 3-Coconut oil:

**Synonym:** Copra oil.

**Biological source:** Coconut oil is derived from the kernel or meat of mature coconuts harvested from the coconut palm (*Cocos nucifera*).

**Family:** derived from the coconut, which is a member of the palm family, *Arecaceae*.

**Chemical constituents:** Coconut oil primarily consists of fatty acids, predominantly saturated fats, including lauric acid, myristic acid, caprylic acid, and capric acid. It also contains small amounts of unsaturated fats, such as oleic acid and linoleic acid, as well as minor constituents like vitamin E and phytosterols.

**Uses:** Coconut oil has a variety of uses, including cooking, skincare, haircare, and as a natural moisturizer. It's also utilized in some cultures for medicinal purposes and as a base for homemade cosmetics.



### 4-Rose oil:

**Synonym:** Rose essence or rose attar

**Biological source:** Rose oil, also known as rose otto or rose attar, is derived from the petals of various species of roses, particularly *Rosa damascena* and *Rosa centifolia*. The oil is typically extracted through steam distillation or solvent extraction methods.

**Family:** Rosaceae

**Chemical constituents:** Rose oil contains a complex mixture of chemical constituents, including various alcohols, aldehydes, esters, and phenols. Some of the key components include:

- Geraniol
- Nerol
- Phenylethyl alcohol
- Eugenol
- Farnesol
- Methyleugenol

These compounds contribute to the characteristic fragrance and therapeutic properties of rose oil.

**Uses:** Rose oil has various uses due to its pleasant aroma and potential therapeutic properties. Some common uses include:



#### **PRESERVATIVE USED IN HERBAL LIPSTICK:**

**1-Vitamin E:**

**Synonym:** Tocopherol.

**Biological source:** commonly found in vegetable oils, nuts, seeds, and green leafy vegetables.

**Family:** Tocopherols and tocotrienols.

**Chemical constituents:** The main chemical constituents of vitamin E include various forms of tocopherols (alpha-tocopherol, beta-tocopherol, gamma-tocopherol, delta-tocopherol) and tocotrienols.

**Uses:** used as preservative, antioxidant properties





## 2-Neem oil:

**Synonym:** Margosa oil.

**Biological source:** Neem oil is derived from the seeds of the neem tree (*Azadirachta indica*), a tropical evergreen tree native to the Indian subcontinent.

**Family:** Meliaceae

### Chemical constituents:

- Azadirachtin: Acts as a natural insecticide and repellent.
- Nimbin and nimbidin: Possess anti-inflammatory and antifungal properties.
- Salannin: Exhibits insecticidal activity.
- Meliantriol: Known for its insecticidal properties.
- Quercetin: Has antioxidant and anti-inflammatory effects.

**Uses:** used as preservative , antimicrobial , soothing , antioxidant.



## METHOD OF PREPRATION

- In the first place, dissolve and blend the crude elements for the independently as per their softening point.
- Heat the solvents, oils, waxes in isolated tempered steel or artistic holders.
- Then, at that point, blend dissolvable and fluid in with the variety colors.
- Blend the color mass with the hot wax.
- Then empty this into tubing molds, cool, and separate the lipstick from the shape and fit it in the lipstick case.[22]

**Steps involved:**

- Melting
- Mixing
- Moulding
- Labelling
- Packing

**Formulation Related Problems in Herbal Lipstick**

- Sweating

It is the most considered normal issue of lipstick detailing because of high oil content or second rate oil restricting. It might ascend in any environment or temperature range.

- Bleeding

This alludes to the division of shaded fluids from the waxy base

- Streaking

A dainty line or band of an alternate tone or a substance shows up on the completed item.

**Moulding Related Problem in Hebal Lipstick**

- Laddering

Lipstick does not look smooth or homogenous after congealing and setting but instead has a multi-layered appearance.

- Deformation

This is a trim issue where the state of the lipstick looks twisted. It is observable and shows up on the two sides of the lipstick.

- Cratering

This shows up in split trim and it appears flaring when stick creates dimples.

- Mushy Failure

This is an issue wherein the focal center of the lipstick needs structure and breaks.[4]

## Evaluation parameter of herbal lipstick

1. Fixings: Surveying the presence of normal and natural fixings and the shortfall of hurtful synthetic compounds.
2. Adequacy: Deciding whether the lipstick gives wanted variety, hydration, and life span.
3. Security: Guaranteeing the item is hypoallergenic, non-harmful, and appropriate for touchy skin.
4. Moisturization: Assessing how well the lipstick saturates lips and forestalls dryness.
5. Maintainability: Taking into account the supportability of obtaining fixings and bundling.
6. Moral Works on: Looking at assuming that the assembling system sticks to moral norms, including creature testing strategies.
7. Consumer loyalty: Get-together input from clients with respect to generally speaking fulfillment and any unfriendly responses.

## CONCLUSION:

This survey gives data on outline of natural lipstick. It makes negligible or no side impacts.

Natural Lipstick is ready by utilizing different regular fixings. Subsequently, the utilization of normal tone is step towards sound beauty care products and which can be broadly used by the ladies with extraordinary joy. Improvement in the manufacturer of implements and metal cylinders diminished the expense of beauty care products. This joined with brand new acknowledgment by everyone made far reaching use and ubiquity increment.

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