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# Preparation and Evaluation of Herbal Lipstick

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**Abstract:** Now a day there is a many more harmful cosmetic products are available in market. For overcome these problem these present research gives information about the herbal lipstick.it includes the evolutionary properties, advantages& characteristics of herbal lipstick.

We formulate here herbal lipstick having minimal side effects or no side effects, these preparation using herbal ingredients. We have formulated the formulation by using ingredients such as liquid para fine, wax, oil, lanoline, methyl paraffin, TiO<sub>2</sub>, Hard wax and Vaseline and main extract used are cinnamon, pomegranate, papaya, alovera, onion, turmeric, sandalwood, neem. Role of cinnamon in lipstick is to give a more polished and plumping effect.

Pomegranate plays an important role in it can nourish and moisturize lips as well as help restore give a natural looking pink color.

**Keywords:** Cosmetic product, Herbal, beauty, pomegranate, papaya, Lipstick

## I. INTRODUCTION

A. According to D & C Act in 1940

Any article intended to be rubbed, poured, sprinkled or sprayed on or introduced to or applied to any part of human body for cleansing, beautifying, promoting, attractiveness or altering the appearance and includes any article intended for use as component of cosmetics.

Included in this definition are products such as skin moisturizers, perfumes, lipsticks, fingernail polishes, eye and facial makeup preparations, shampoos, permanent waves, hair colours, toothpastes, and deodorants, as well as any material intended for use as a component of a cosmetic product.

B. Characteristics of Herbal Lipstick

- 1) long lasting effect
- 2) Stable physically and chemically
- 3) Shing and smooth appearance
- 4) Make lipstick soft

C. Lipstick Cosmetic

Formulation is used to protect the lips from sun damage and pollution and also increase the beauty of lips. It is too easy to handle in any generation women. Recently the use of botanicals in cosmetics have increased mainly due to the mild action and non-toxic nature.

In cosmetics, both natural and phyto-ingredients are used. Natural products include oils, extracts, secretions etc. Phyto-ingredients include pure constituents obtained by various process.

Herbal cosmetics played an important role in women's life because the cosmetic produce increases the beauty of them. The products used by herbal properties are lipstick, talcum powder, Kajol, liner etc.

The herbal product reaches the high trend in n beauty & fashion. Natural herbal product have many pharmacological effects like antimicrobial, anti-inflammatory, crystallic effect these properties are useful for humans.in these preparations and evaluation of natural lipstick it has incredible value and demand also .it also use to nourish our lips in winter. Dry lips and black lips problems also treat by these ingredients.

The herbal products are safest without any side effects.in these preparations we are studied about the evolutionary properties of herbal lipstick.

## II. INGREDIENTS USED

Base	Oils	Extract	Effervescent
1.Liq.Paraffin	Orange oil	Cinnamon	Rose petals
2.Methyl paraffin	Castor oil	Pomegranate	Vanilla
3.Lanoline		Papaya, Aloe vera	
4.Vaseline		Onion , Turmeric	
		Sandalwood, Neem	

### 1) *Allium cepa*

Common name: Onion

Family: Liliaceae

The main property of onion in lipstick is to make lips soft and radiant. It has antifungal properties. It makes lipstick soft. Onion is rich in vitamin C

### 2) *Aloe Vera*

Common Name: Barbadosalea

Family: Xanthorrhoeaceae

Aloe binds moisture to your skin, making them feel less dry. The main use of alovera in lipstick is for lips that are dry, cracked and itchy. aloe vera is known as holy grail ingredient in the skin care industry. It has antioxidant property. It reduces wrinkles. It has anti-inflammatory property<sup>5</sup>.

### 3) *Pomegranate*

Common Name: Punica granatum

Family: Punicaceae

Antioxidant properties of pomegranate results in protection of the skin,also seed have properties to generate the skin &rehydrate the skin . Pomegranate fruits, fruit juice, its seeds, and peels are known to have higher contents of bioactive compounds, phenolic acids, flavonoids, and hydrolysable tannins. The peels of pomegranate fruits are the major by-products produced during processing of pomegranate enriched in antioxidants and broad-spectrum antimicrobial agents<sup>1</sup>.

### 4) *Betavulgaris*

Common name: Beet

Family:Brassica

Beetroot tends your lips. Moisture and nourishes lips. It has bleaching property<sup>3</sup>.

### 5) *Papaya;*

Common name: pawpaw

Family: caricaceae

High in antioxidant, vit C & vit E. Nourish and softens lips.

### 6) *Solanum Lycopersicum*

Common name: Tomato

Family: Solanaceae

Tomato have the highest antioxidant activity of all the carotenoids, due to this property it is used as an anti-ageing in skin care products<sup>8</sup>. Tomato contains alpha and beta carotenoid that helps skin against damaging free radical, carotinoids also prevent the degradation of collagen, elastin and fibrillin.

### III. COMPOSITION

Ingredients	Qty (11 gm)	Qty ( 4 gm)
Liq.Paraffin	1 gm	0.3 gm
Extract	3 gm	1.09 gm
Oil	3 gm	1 gm
Lanoline	1 gm	0.3 gm
Metyl paraffin	0.2 gm	0.2 gm
TiO2	0.01 gm	0.01 gm
Hard wax	1 gm	0.3 gm
Vaseline	Qs.	Qs

### IV. PREPARATION OF LIPSTICK

Weight all the ingredient accurately by using scientific weighing balance. By using double boiler process firstly add base like wax then add hard wax. They get melted by heat then add liquid paraffin, lanolin, methyl paraffin.

Mix them well after that add the oils like orange oil and castor oil sturr it properly so the mixing of the oils in that. After that remove beaker from double boiler and then add the extract to that and sturr properly then add the 1-2 drops of essence to that.

By using lipstick molds given the shape to the lipstick Apply Vaseline to corners of molds and pour all sample to that mold place the mold in freeze for 2hrs. Then remove lipstick from mold .application of Vaseline to the mold the lipstick gets easily remove.

Then place the lipstick in lipstick stand.

#### A. Extraction Method

##### Melting point

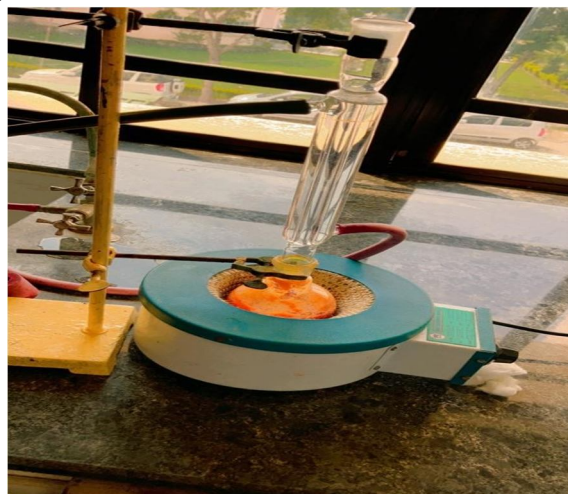
It can be identified by using the capillary tube method. The sample first melted and feel in the capillary tube and then identified the melting point. Identification of the melting point is the major thing for checking the safety limit.

##### Boiling point

This test can be taken to check at which maximum pressure at they get break. Lipstick not to be too soft n hard also.

##### Solubility: -

Sample is insoluble in water and soluble in methanol solubility check by using normal water. Amount of sample is poured into a beaker filled with water and identifying and also observe. Does not dissolve in water. But it gets easily dissolved in methanol.



Soxhlet Extraction Assembly Extraction

#### Collection of ingredients

Istly collect all the natural ingredients like beet root, papaya, onion, pomegranate, turmeric etc. Form mark and other ingredients like aloe Vera, hibiscus petal, neem leaf collection from garden.

#### Preparation of extract

Wash all the ingredients with normal water and cut it in a small piece. Then make a paste of all ingredients.

#### Assembly set-

Setup the assembly like heating mantle, flask, and inlet outlet for the water. After the set of assembly put all the extract in RBF then set the temperature at 60-70°C for 2hrs.

After that cool the extract at room temp. Then filter by using filter paper and collect in Beaker. Then put the extract 2-3 days for drying.

#### B. Prepared Lipstick Product.

Evaluation Properties:



Melting Point-51,53\*c

PH – 6.4

Skin irritation – No

Solubility – Methanol

Breaking Point – 31

Texture- smooth

#### Melting point

It can be identified by using the capillary tube method. The sample first melted and feel in the capillary tube and then identified the melting point.

Identification of the melting point is the major thing for checking the safety limit.

#### Breaking point

This test can be taken to check at which maximum pressure at they get break. Lipstick not to be too soft n hard also.

#### Solubility-

Sample is insoluble in water and soluble in methanol solubility check by using normal water. Amount of sample is poured into a beaker filled with water and identifying and also observe.

It does not dissolve in water. But it gets easily dissolved in methanol.

#### Advantage<sup>7</sup>:

It has natural nutrition so they keep lips healthy.

They are non-toxic, antioxidant, ant allergic, non-inflammatory, antimicrobial are used in a leukoderma of lips.

Provide hydration because they have the presence of aloe Vera presence of papaya and Prevent from the sun damage. It contains Vaseline, castor oil so they can moisturize the lips and smooth.

Ideal characteristics Long lasting effect.

Make lips soft.

Non irritating to the skin of lips.

Shiny and smooth appearance.

Stable physically and chemically.

### V. CONCLUSION

From the above research data, it states that herbal lipstick is more beneficial than the chemically prepared lipstick. It gives proper medicated property and better nourishment and treatment of different lip problems. The ideal properties & characteristics are give proper idea about quality and curative effect about herbal Lipstick. properties such as melting point, breaking point, solubility, spreading are found to be satisfactory product to give attractive beauty and nourishment of lips.

### REFERENCES

- [1] Dwivedi S, Dwivedi SN, Patel PC. Formulation evaluation and antimicrobial activity of herbal lipstick. Recent Adv in Prosp and Potent of Medi Plants 2009; 39-43
- [2] Nanda S, Nanda A, Khar RK. (2011). Cosmetic Technology, Birla Publication Pvt. Ltd. 2010-11; 15 revised: pp. 330-353.
- [3] Deshmukh S, Chavan M, Sutar M, Singh S. (2013). Preparation and Evaluation of Natural Lipsticks from BiraOrellana Seeds. International Journal of Pharma and BioSciences. 2013; 4(3): 139-144.
- [4] Limtrakul P, Lipigorngoson S, Namwong O, Apisariyakul A, Dunn FW. Inhibitory effect of dietary curcumin on skin carcinogenesis in mice. Cancer Lett 1997; 116:197-203.
- [5] Kim J, Lee Is, Park S, Choue R. Effects of Scutellariae radix and Aloe vera gel extracts on immunoglobulin E and cytokine levels in atopic dermatitis NC/Nga mice. J Ethnopharmacol 2010; 132:529-32
- [6] Joshi AR, Joshi K. Ethnomedicinal plants used against skin diseases in some villages of Kali Gandaki Bagmati and Tadi Likhu watersheds of Nepal. Ethnobotanical Leaf 2007; 11:235-46.
- [7] Vikhe S, Kunkulol R. Microscopic Investigations and Pharmacognosy of Striga orobanchioides Benth. Pharmacogn. J. 2020; 12(6):1325-31.
- [8] Stahl W, Heinrich U, Wiseman S, Eichler O, Sies H, Tronnier H. Dietary tomato paste protects against ultraviolet light-induced erythema in humans. J Nutr 2001; 131:1449-51.



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