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## Compilation and Analyzation of Herbal Lipstick Containing Methanolic Extract of *Butea Monosperma*

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### ABSTRACT:

Herbal cosmetic means cosmetic products that contain herbs in cosmetic. there are no side effects of herbal cosmetics. herbal lipstick contains natural pigments that protect our lips and give attractive color to lips. herbal lipstick also prevents the formation of cracks on lips which lead to bacterial infection. herbal lipstick contains oil, waxes, natural colorants, antioxidants, and preservatives. herbal lipsticks are free from heavy chemicals. the evaluated herbal lipstick with several parameters like pH, breaking test, melting point, and skin irritation test.

### Introduction

In a world all show very much interested in herbal product. Because there is less toxicity and harm. This shows a symbol of safety herbal lipsticks come in the category of cosmetic. Herbal cosmetics in the market growing very much in demand. In market different types of

shades of color are available in the market. That satisfied the need for women's Natural coloring pigments used in herbal lipstick that give the color on it. Rather than synthetic dye harming human consumption. We all know that the appearance of human skin is due to cosmetics .various types of solids,liquids, and semi-solid product comes in the categories of cosmetics like lipsticks, creams,lotion,powder, perfumes, fingernail, toenail polish, eye, facial makeup, hair color, deodorant, body product, etc.Lipstick is a solids preparation composed of many ingredients like waxes, emollients, pigments, oils, color. Herbal products prepared by taking fruit, leaves roots,barks, an oil extract from the seed and other various parts of the plant have been used directly farm for the preparation of herbal cosmetics that are usually free from side effects. Lipstick is a mold stick composed of coloring material dispersed in a blend of fatty base (oil/waxes)Lipstick is used to make the appearance of lips attractive by imparting color. **Butea monosperma** belongs to the family Fabaceae a moderate size deciduous tree. Its various parts are used to treat many diseases like an astringent aphrodisiac and diuretics properties in this experiment its flower part used for pigmentation its part contains triterpene several flavonoids,lutein, butin, isobutyric, coreopsis, iso coreopsis, glucose, fructose, histidine, aspartic acid, alanine. And phenylalanine. Etc.( Benett W. (1983),( Kaul Shefali and Dwivedi Sumeet (2010).), Dwivedi Sumeet, Dwivedi Abhishek & Dwivedi S. N. (2008)., Chattopadhyay P.K. (2005),( Mehta RM.2015), (Mithal BM,2007), (Berg R.2001),( Forman-Brunell M,2001)

### **Material and Method**

Selection and authentication of plant material the flower part of *butea monosperma* was collected in the local drug area (c.g) and authenticated by Dr.G.K Chandrol Department of Botany Kalyan Mahavidhalaya Durg C.G preparation of extract was prepared by hot percolation method by using Soxhlet apparatus with methanol extract was dry and weight.

### **Preparation of lipstick:**

lipstick was prepared by heating castor oil in a waterbath after adding bee wax melting it completely with continuous stirring then adding cetyl alcohol mixing it with continuous stirring and petroleum jelly it in in last coloring pigment extract added and make a uniform mixture. after it pours into the mold refrigerate for 15 minutes.( Jain SK,2005),( Dwivedi S,2009), Nadkarni A.K,1975



Figure.1 Ingredients Used in Herbal Lipsticks



Figure. 2 Drying of Drug Figure.3.Preparation of Extract

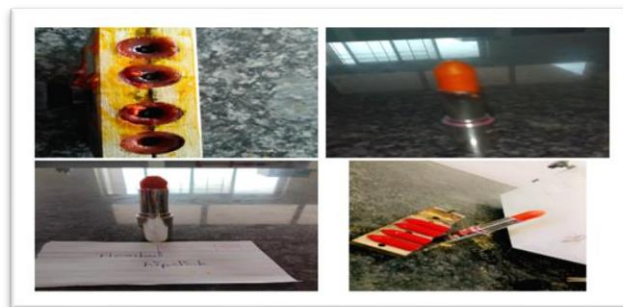


Figure.4 Moulding of Herbal Lipsticks

**Table No. 1 :Preparation of Natural Lipsticks With Their Prescribed Ingredients and Quantity**

INGREDIENT	IMPORTANCE	QUANTITY TAKEN		
		F1	F2	F3
Castor Oil	Moisturizer	12 ml	11	10
White Bees Wax	Thickening Agent	6gm	5	4
Cetyl Alcohol	Helping Lip Colour Adhere To The Skin	1gm	1gm	1 gm
Petroleum Jelly	Prevent Loss of Moisture	1gm	800mg	500mg
Butea monosperma extract	Colouring agent	q.s.	q.s	q.s

## **Result and Discussion**

**Evaluation Parameter of Herbal Lipstick** Sharma P,2005), (Jain S.K. & Sharma N.K.,2005)

### **Melting Point**

Determination of melting point is important as it is an indication of the limit of safe storage. The melting point of formulated lipstick was determined by the capillary tube method, the capillary was filled and kept in the capillary apparatus, and firstly observed the product was slowly-slowly melted. After sometimes observed product was completely melted. The above procedure was done in 3 times and the melting point ratio was observed in all formulations.

### **Breaking Point**

Breaking points were done to ensure the strength of the lipstick. The lipstick has been held horizontally in a socket 2 inches away from the edge of the support. The weight was gradually increased with a value (10 gm) at a specific interval of 30 seconds and the weight to which breaks were considered for the breaking point.

### **Force of Application**

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

### **Surface Anomalies**

This has been studied for the surface defects, such as no formation of crystals on surfaces of lipstick, and no contamination by molds, fungi, etc.

### **Aging Stability**

The products were stored at 40°C for 1 hrs. there is Various parameters like bleeding, crystallization of on surface, and ease of application were observed.

### **Solubility Test**

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

### **pH Parameter**

pH parameter The pH of formulated herbal lipstick has been determined using a pH meter.

### **Skin Irritation Test**

The skin irritation test was carried out by applying prepared lipstick on the skin for 10 min.

### **Perfume Stability**

The formulation of herbal lipstick was tested after 30 days, to record fragrance.

**Table No. 2 Evaluation Parameter of Herbal Lipstick**

EVALUATION PARAMETER	INFERENCE
color	orange
pH	6
Skin irritation test	no
Melting point	50-degree celsius
Breaking point	23
Force of application	Good
Perfume stability	+

**Conclusion**

In the last few decades, there has been a tremendous boost in the use of cosmetics by women. However, the hazards caused by these chemicals have come into the limelight very recently. Consumers can take safe and effective advantage of herbal lipsticks after thorough clinical trials. Compared to other beauty products, natural cosmetics are safe to use. Synthetic coloring agents may cause allergic reactions and be found to be carcinogenic. The ability to desire the right cosmetics for you depends on accurate ingredient knowledge, body Prakriti assessment, personal needs, customer perception about the product, and benchmark product. Quality control for the ability and safety of herbal cosmetic products is of predominant importance. So quality control tests must be carried out for herbal cosmetics. It is assumed to be safe for longer periods. The present work formulation and evaluation of herbal lipsticks was aimed at formulating a lipstick using herbal ingredients with the hope of minimizing the side effects produced by the available synthetic ones. The prepared formulation was evaluated and it was found that the herbal lipstick, F-III (Fig.1) was the best among the three formulations. Hence, from the present investigation it was concluded that this formulated herbal lipstick is a better option for women with minimal side effects though detailed clinical trials may be done to assess the formulation for better efficacy.

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