

PREPARATION AND EVALUATION OF HERBAL LIPSTICK**Niranjan Dalapati*, Prasanna Kumar Kar and Simanchal Panda**

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Corresponding Author*Niranjan Dalapati**Jeypore College of
Pharmacy, Vana Vihar,
Jeypore (K), Odisha.**ABSTRACT**

This can be observed from the fact that lipsticks are marketed in hundred of shades of colours to satisfy the demand of women. The present investigation was done to formulate herbal lipstick, since lipsticks are one of the key cosmetics to be used by the women. Due to various adverse effects of available synthetic preparation the present work was conceived by us to formulate a herbal lipstick having minimal or no side effects. The herbal lipstick was formulated as prepare adequately supported by efficacy and general method of normal lipstick safety data documented in scientific formulation. The ingredients used in the literature. Among the more popular

formulations of a herbal lipstick are functional natural ingredients several Coconut oil- 16 gm Cocoa butter - 28 gm Bees was- 36 gm Beet root juice-6gm (colouring agent) Or Bixa orellana-6gm (colouring agent) Rose essence-0.1ml Vanilla essence-QS. All the ingredients were mixed in a crushed or dried and powdered form, their definite ratio by melting cocoa butter and incorporation into existing cosmetic bees wax at a low flame and then moulded formulations presents unique challenges in a suitable mould (Moulding method) to In recent time's lipsticks have been under formulate lipsticks the scanners of many health watchers. The evaluation parameters found to be colour-red, pH 6.5+-0.3, melting point-60-61, breaking point-31, thixotrophy character-9, perfume stability- good, force of application- good, surface anomalies - no defect, aging stability- smooth, solubility test- chloroform soluble.

INTRODUCTION

Cosmetics are the substances used for the preparations, which enhance the appearance of human body such as skin care creams, some bio-ingredients, nutra-ceuticals, lotions, powders, perfumes, lipsticks, fingernail and toe nail polish, eye liner etc. The herbs used in cosmetic preparation facial make up, coloured contact lenses, have varieties of properties like

hair colours, hair sprays, gels, deodorants, antioxidant, anti-inflammatory, antiseptic baby products, bubble bath, bath salts and antibacterial etc.^[1] These herbal many more products are in great demand products claim to have no side effects, in both developing and developed commonly seen with products containing countries. Herbal cosmetics have growing over synthetic agents. The literatures are in demand in the world market and which are mentioned in Ayurveda, especially Charak Sanhita, invaluable gift of nature. There are wide stated numerous medicinal plants in range of herbal cosmetic products to Varnya kashaya. The herbs like Chandan, satisfy your beauty regime. Botanical extracts that support the health, Collection and authentication of herbs of texture and integrity of skin and hair are plant material- the different herbs used in widely used in commercial cosmetic the formulation of herbal lipstick on the formulations.^[1]

Formulation of Herbal Lipstick

The herbal lipstick was formulated and prepared, adequately supported by efficacy and general method of normal lipstick safety data documented in scientific formulation. The ingredients used are mentioned in the literature.^[2] Among the more popular formulations of a herbal lipstick are functional natural ingredients like Coconut oil- 16 gm, Cocoa butter - 28 gm, Bees was- 36 gm, Beet root juice-6gm (colouring agent) Or Bixa orellana-6gm (colouring agent), Rose essence-0.1ml, Vanilla essence- QS.

PROCEDURE

All the ingredients were mixed in a beaker, dried to semi solid form in a definite ratio by melting cocoa butter and incorporating it into existing cosmetic, bees wax at a low flame. Then the semisolid mass was moulded in a suitable moulds (Moulding method). In recent times, lipsticks have been formulated that are under the scanners of many health watchers. All steps and procedure are carried out in clean and hygienic environment.^[3]

Evaluation of Herbal Lipstick

Lipsticks are often eaten away by the user. It is very essential to maintain a uniform and hence it is imperative that health standard for herbal lipstick, keeping this regulators have a microscopic look at the view in mind the formulated lipstick was ingredients that go in to the lipstick.^[4] evaluated on the parameters such as.

Melting Point- Determination of melting point is important as it is an indication of essence.

Table 1: Ingredients with their prescribed quantity in the formulation of a herbal lipstick.

S.No.	Ingredient Importance	Quantity (gram)
1	Coconut oil Blending agent	16
2	Cocoa butter glossy & hardness	28
3	Bees wax disinfectant	36
4	Beet root juice Colouring agent	06
5	Bixa orellana seed colouring agent	06
6	Rose essence flavouring agent	-qs
7	Vanilla essence Preservative	q.s

Following method was adopted the limit of safe storage of formulated lipstick was determined by capillary tube method. The capillary was filled, keep in the capillary apparatus and firstly observed the product was slowly-slowly melted. After sometimes was observed the product was completely melted. The above procedure was done in 3-times and the melting point ratio was observed in different-different formulation.^[5]

Breaking point

Breaking point was done to determine the strength of lipstick. The lipstick was held horizontally in a socket ½ inch away from the edge of support. The weight was gradually increased by a specific value (10gm) at a specific interval of 30 second and weight at which breaks was considered as the breaking point.

Thixotrophy character

it is an indication of thixotropic quality and was done by using penetrometer. A standard needle of specific diameter was allowed to penetrate for 50 second under a 50 gm load at 25°C. Depth of penetration was a measurement of thixotropic structure of lipstick.

Force Application

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

Surface anomalies

This was studied by the surface defects such as no formation, no contamination by mould, fungi etc.

Aging stability

The product was stored in 40c at 1 hr. Various parameter such as bleeding, crystallization of an surface and each of application was observed.

Solubility test

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

Ph parameter

The ph formulated herbal lipstick was determined by using ph meter.

Skin irritation test

It is carried out by applying product on skin for 10 minute.

Perfume stability

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

Table 2: Evaluation of formulated herbal lipstick1.

S.n	Evaluation parameter	Inference
1	Colour	Red
2	PH	- 6.5+-0.3
3	Skin irritation test	- no
4	Melting point	- 60-61
5	Breaking point	- 31
6	Thixotrophy character	- 9
7	Perfume stability	- good
8	Force of application	- good
9	Surface anomalies	No defect
10	Aging stability	Smooth
11	Solubility test	Chloroform soluble

RESULTS AND DISCUSSION

In last few decades there has been tremendous boosts in use of cosmetics by women. However hazards caused by these chemicals has come into lime light very recently. The present work formulation and evaluation of herbal lipsticks was aimed to formulate a lipstick using herbal ingredients with a hope to minimize the side effects as product by the availevel synthetic one.^[6]

Hence from present investigation it was concluded that this formulated herbal lipstick has better option to women with minimal side effect though detailed clinical thesis may be done to assess the formulation for better efficacy.^[7,8,9]

RESULT AND DISCUSSION

The evaluation parameters found to be colour-red, ph 6.5+-0.3, melting point 60-61, breaking point 31, thixotrophy character 9, perfume stability good force of application good, surface anomalies-no defect, aging stability-smooth, solubility test chloroform soluble.

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