

FORMULATION AND EVALUATION OF HERBAL LIPSTICK

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Abstract – Lipstick is the cosmetic product containing pigment, oils, waxes and emollient that apply colour, texture and protection to the lips. Herbal cosmetic are in rising demand in the world market as these priceless gift of nature with enhancing activity and lesser side effect. Herbal cosmetic is a suggest are natural and free form all destructive artificial chemicals. By using the different herbal ingredient such as pomegranate seeds (*PUNICA GRANATUM*) shikakai, dried ginger power, lemon juice, coconut oil, bees wax, paraffin wax, vanilla essence, pineapple essence. Evaluated and formulation herbal lipstick such as evaluation test were colour, pH, melting point, breaking point, force of application and surface anomalies.

1. INTRODUCTION-

“D and C act 1940 & rule 1945, cosmetic means any article to be sprayed, poured, rubbed, introduced, apply to the human body or it cleansing, beautification, according promote attractiveness or altering the appearance.

“Lipsticks are the dispersion of colouring matter consisting of suitable blend of oil, fats and waxes suitably perfume and flavor, moulded in the form of a stick and enclosed in a case.

• Characteristics-

1. It should be smooth and easy to apply leaving a thin film on lips.
2. It should have a good degree of indebility.
3. It should have high retention of colour intensity.
4. It should be free from greyness and should be non-drying.

5. It should be innocuous externally as well as internally.

With the increasing in the number of users of lipsticks in the phenomenal way, in the 5-6 years, the expectations of customers has also increased. The cosmetic market has also become vary competitive and domestic manufacturers have to complete with multinational companies to remain viable. The consumer expect the following feature of lipsticks-

1. Colour
2. Apperance
3. Compatability
4. Shelf life

Based on the above operations, the various components of lipstick formulation should comprise of-

1. Wax mixture
2. Oil mixture
3. Bromo mixture
4. Colours
5. Fragrance
6. Preservatives
7. Surfactants

➤ PUNICA GRANATUM-

- Synonyms- Pomegranate, Anar
- Family- Punicaceae
- Plant part used- Seeds of Punica granatum



Fig No.1 Pomegranate

2. METHOD OF PREPARATION-

1. Selection of herbs- The various herbs used in the formulation of herbal lipsticks were selected on the basis of literature survey.

2. Weighing balance- All the required herbal ingredient for lipstick preparation were accurately weighed individually by using digital balance.

3. Melting and mixing- The raw ingredient melted and mixing separately. One mixture contain a solvent and second contain the fats and waxy material. The solvent solution and liquid oils are mixed with the colour pigment.

4. Moulded method- Mix the melted material at low flame and then moulded in a suitable mould to formulated lipstick.

5. Storage- Store in suitable container and used for evaluation parameters.

Sr. No	List of material	Manufacturer (supplier)
1	Coconut oil	Local market
2	Paraffin wax	Ozone
3	Bees wax	Genuine
4	Shikakai	Local market
5	Punica granatum juice	Local market
6	Ginger powder	Local market
7	Pineapple essence	Local market
8	Vanilla essence	Local market
9	Lemon juice	Local market

Table No.1 List of material

3. FORMULATION METHOD-

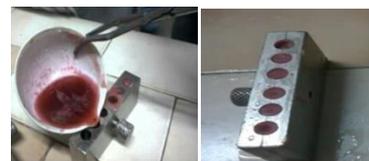
1. Colouring agent is obtained from seeds of PUNICA GRANATUM by pressing, filtration and evaporation of the resultant juice.
2. Paraffin wax and bees wax were melted in porcelain dish on water bath decreasing order of their melting point.
3. Concentration of PUNICA GRANATUM was mixed with coconut oil and heated.



4. Lemon juice, vanilla essence, pineapple juice, shikakai, ginger powder added in 40°C .
5. Both phases were mixed with same temperature.
6. Lubricate the lipstick mould.



7. The mixture was poured into a lipstick mould in excess amount



8. And mould was kept in ice bath.



9. After solidification surface amount was scrapped with blade.



10. Lipstick were removed from mould and prepared lipstick were fitted in lipstick container and used for evaluation.

4. FORMULATION TABLE-

Sr. no.	Ingerdients	Quantity taken (F1)	Quantity taken (F2)	Uses
1	Coconut oil	3.2 ml	2.6 ml	Blending agent
2	Paraffin wax	5.6 gm	5.2 gm	Glossy and hardness
3	Bees wax	7.2 gm	7.6 gm	Glossy and hardness
4	Punica granatum juice	2.4 ml	3.4 ml	Colouring agent
5	Shikakai	1.2 gm	1 gm	Surfactant
6	Pineapple essence	0.3 ml	0.2 ml	Flavouring agent
7	Lemom juice	0.2 ml	0.1 ml	Antioxidant
8	Vanilla essence	q.s.	q.s.	Preservative
9	Ginger powder	q.s.	q.s.	Antimicrobial

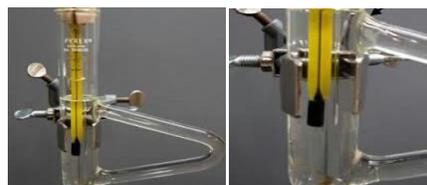
Table No2 Formulation table

5. EVALUATION TEST-

1. Melting point- It is indication of the limit of safe storage. The melting point of formulated herbal lipstick was determined by capillary tube method. The capillary filled and slowly-slowly melted and observed the product was completely melted.
2. Breaking point- Breaking point is done to determine strength of lipstick. The lipstick is held horizontally in a socket ½ inch away the edge of support.
3. Force of application- A piece of course brown paper can be kept on a shadow graph balance and lipstick can applied at 45° angle of cover a 1 sq.inch area until covered. The pressing reading is an indication of force of application.

4. Surface anomalies- The no contamination of fungi, by mould. The product was stored in 40° C at 1 hour and observed.
5. pH parameter- The pH of formulated herbal lipstick was checking in pH meter.
6. Skin irritation :- The herbal lipstick was applied on skin surface and wait 10 – 15 minutes and observed irritating of skin surface.

1. Melting point



2. pH



3. Colour and skin irritating



6. RESULT AND CONCLUSION-

The herbal lipsticks using herbal ingredient like coconut oil, shikakai, lemon essence, ginger powder, were used in the preparation of natural lipsticks along with PUNICA GEANATUM as colouring agent. The present study proves that PUNICA GRANATUM are using best colouring matter and natural herb. The prepared lipstick shows excellent properties like shinning, spreading, smoothness of lips. The prepared lipstick were shows no side effect and great acceptability. The effect of different natural ingredient on different evaluation parameter in the formulation have been investigated. the prepared lipstick were evaluated for organoleptic properties. Have prepared

2 batch formulation (F1 & F2) from that F2 batch shows satisfactory effect result than F1batch.

Sr. no	Evaluation parameter	Observation (F1)	Observation (F2)
1	Colour	Faint pink	Purple
2	pH	6.1	6.5
3	Melting point	64°C – 66°C	60°C - 63°C
4	Breaking point	24	26
5	Force of application	medium	Good
6	Surface anomalies	No defect	No defect
7	Skin irritation	No irritation	No irritation

TableNo.3 Evaluation result

7. REFERENCE-

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