

Formulation and Evaluation of Herbal Lip Exfoliator

Ms. Shruti Saraf¹, Anjali Mistry², Pankaj Vanzara³, Bhumi Patel⁴, Hetvi Kachhiya⁵

¹Assistant Professor, Department of pharmaceutical chemistry B pharmacy College Rampura

²⁻⁵Student, B. Pharmacy College Rampura

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ABSTRACT-To remain healthy and to appear good, the skin surface requires periodic cleansing to removedirt, sebum and other secretions, dead cells, crusts, applied make-ups, atmospheric change,and irregular life style. Use of chemical based topical applications extends fast deteriorationof skin and their appendix. This requires immediate and suitable procedure which can notonly extend benefits to the skin but also helpful in long duration making your skin lookcharming. No skin irritation or rashes wasreported or observed. The results obtained were highly satisfactory. The use of naturalingredients to secretion of oil and to remove tan is known as natural or herbal cosmetics. Herbal cosmetics usually contain the plant parts which possess antimicrobial, antioxidant and anti-tan, anti- ageing properties. Herbal cosmetics are the safest product to use routine with no side effects and cosmetic are the product which influences the biological function of skin. In this preparation. The prepared scrub was evaluated for various parameters such as appearance, pH, Spreadability, washability, irritability and found to be satisfied with all required characterizations. Thus, the developed formulation can be used as an effective scrub for using it to bear a healthy and glowing skin.

I. INTRODUCTION-

The lips are an essential aspect of the human face and play a critical role in facial expression, phonation, sensation, mastication, physical attraction, and intimacy. The upper and lower lips are known as, respectively, labium superius oris and labium inferius oris.

The surface of the lip is comprised of four zones:

- Hairy skin
- Vermillion border
- Vermillion
- Oral mucosa

The vermillion of the lip is comprised of a modified composed of hairless, highly

vascularized, nonkeratinized stratified squamous epithelium. This membrane is three to five cellular layers in thickness, in contrast to the 16-layer facial skin. Lips that are chapped, dry, or cracked are a relatively frequent cosmetic problem, especially in winter season.

The majority of people currently have dry lips s a result of their country's cold and dry weather. Moreover, being dehydrated also causes chapped lips or dry lips in an individual. Additionally, according to Beeter Health Channel, 30% of the general population suffers from dry mouths, which indicates that these people are affected by lip damage issue.

People, especially teenagers, frequently use lip- balm, lip scrub, and other lip therapies to help them regain their soft and smooth lips as a resulting this issue. This cosmetic may, however, contain chemicals that can exacerbate their lips' dryness or injury. This prompted the researcher to conduct this study, which was designed to give people access to an affordable, natural, and effective lip scrub that would help them with their problems.

HERBAL LIP EXFOLIATOR:

A lip exfoliator or scrub is a cosmetic product made from natural ingredients, typically herbs and other plant-based materials, designed to exfoliate and moisturize the lips.

These exfoliators often contain ingredients like sugar or salt to gently remove dead skin cells, along with oils and herbs to nourish and hydrate the lips.

They're used to improve the texture and appearance of the lips, leaving them soft, smooth, and rejuvenated.

The rationale behind using a lip scrub lies in its exfoliating properties. Lips, like the rest of the skin, can accumulate dead skin cells over time, leading to dryness and roughness and also when climate change.

Additionally, exfoliating the lips can enhance the effectiveness of lip moisturizers and prevent chapping. Regular use of lip exfoliator contributes to maintaining healthy and well-conditioned lips.

Causes of dry and chapped lip:

- Sunburn.
- Cold weather.
- Hot or dry weather.
- Frequently licking your lips.
- Medical conditions or reaction to a medication.
- Vitamin deficiency (iron, vitamin B).
- Dehydration.

II. MAKING POWER OF MINT LEAVES AND BEETROOT FRUIT-

Firstly, wash mint leaves and beetroot fruit, then peel off beetroot and grate it. Dry mint leaves and grated beetroot at room temperature for around 2-3 days. After drying, grind both ingredients individually and make powder.

III. METHOD OF FORMULATION-

- Composition of 18gm. Formulation of Herbal Lip Exfoliator:

Sr no.	Ingredient	Quantity	Action
1.	Crystl Sugar	10gm	Exfoliating agent
2.	Honey	4ml	Hydrating agent
3.	Coconut oil	1ml	Nourishing agent
4.	Beetroot powder	1gm	Coloring agent
5.	Mint powder	0.5gm	Cooling sensation, remove dead skin cell
6.	Lemon oil	1ml	Preservative

• Method of preparation of Herbal Lip Exfoliator:

1. Collect the ingredients.
2. Dry the mint leaves and beetroot (grated) at room temperature.
3. After that, grind both ingredients individually and make powder form.
4. Accurately weight all the ingredients individually.
5. Firstly, Honey is mixed with sugar in porcelain dish.

6. Add beetroot powder in it respectively.
7. Continuously stir, in between add mint powder and quality sufficient water.

IV. EVALUATION OF HERBAL LIP EXFOLIATOR-

• Physical Appearance-

The sample have been organize and their bodily look became evaluated.

Colour: Red

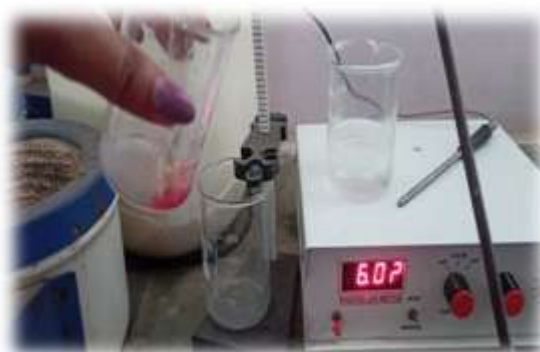
Form: Paste/Scrub

Odour: Pleasant



• pH Test-

Firstly product dissolved in the water and measure the pH by using the digital pH meter. The evaluation pH was 6.05.



• Consistency-

It has good consistency when apply on skin.

• Washability-

Little quantity of scrub applied over the skin and washed with water. Easily washed by the water.

• Viscosity-

Viscosity determined the Brookfield viscometer. Ideal viscosity of Lip Exfoliator was 1000 up.

The viscosity of product was found to be 5640mPas, 20RPM, 65S.

• Skin irritation Test-

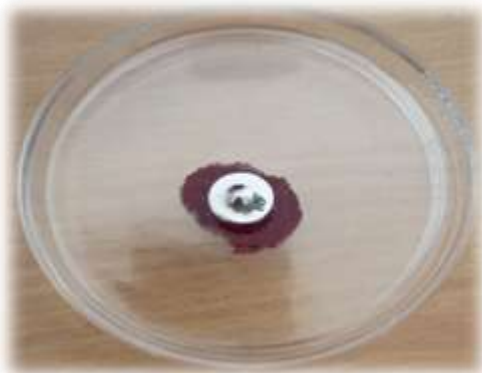
It was determined by apply scrub on the skin for 5 min.

As a result, it was not cause irritation.



• Spreadability-

Spreadability for determined by using petri plate and keep weight on the plate which has scrub between two plate. And it found around 4 cm.



• Microbial Test-

Sr. No	Sample ID	Staphylococcus aureus (S.Aureus)
1.	Lip Exfoliator	Absent

V. RESULT AND DISCUSSION:

• Evaluation Parameter:

Sr no.	Evaluation parameter	Result
1.	Colour	Red
2.	Odour	Pleasant
3.	Form	Paste
4.	Ph	6.05
5.	Consistency	Good
6.	Washability	Easily Washable
7.	Skin irritation	No irritation
8.	Spreadability	4 cm
9.	Microbial test	Absent

VI. CONCLUSION:

The goal of the current study, which involved the design and evaluation of herbal lip exfoliator or scrub, was to create a lip exfoliator using herbal constituents in an effort to reduce the adverse effects associated with synthetic, chemical-based lip exfoliator currently on the market.

The prepared lip exfoliator was compared with various parameters like colour, odour, form, shape, pH, washability, consistency found to be satisfied with all required characterization for the application on the lip.

Thus, the developed formulation can be used as an effective scrub for using it to bear a healthy and glowing lip.

While lip exfoliator might seem like a quick fix to flaky lips, their potential downsides make them worth reconsidering. By focusing on gentle care and hydration, you can maintain the health and beauty of your lips without the risks associated with abrasive exfoliators.

The exfoliating agent sweeps away dead skin cells to help make your lips smooth, while the emollient delivers much needed hydration to condition and polish your lips.

Finally making lip exfoliator and easy approach to attain temptingly soft lips. These formulations, which frequently use basic and organic ingredients, offer an inexpensive and personalized alternative to conventional lip exfoliator.

Sugar exfoliating capabilities, mixed with nourishing components like honey, coconut oil, or essential oils, give you a pampering sensation for the lips.

FINAL FORMULATED PRODUCT:



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