

An Overview on Herbal Lip Balm

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Abstract:

Cosmetics are incredibly in demand since literal time. These days concentrate shifted more towards naturally deduced ornamental products. The component of the synthetic source have so important adverse effects where's herbal word is a symbol of safety Among all ornamental products, lip balm phrasings are most extensively used to enhance the beauty of lips and add glamour touch to the makeup. The lip balm repel from the external temperature, variation and other factor. Lip balm isn't gender specific product that is anyone can fluently use this dress. The natural lip balm can made using naturally being base, oil painting, excerpt, and flavouring age color conception behind our product is a long lasting moisturizer herbal lip balm.

Keyword: - Herbal, Herbal Lip balm, Moisturizer, Natural constituents, Lip Blankness.

Introduction:

The skin is the body's largest organ it covers the entire body. It serves as a defensive shield organs heat, light, injury and infection

The skin also

- 1) Regulates body temperature
- 2) Store water and fat
- 3) Help water loss
- 4) Help entry of bacteria

The type of skin is determined by genetics, although it'll also be Other factors and can change with time grounded on these characteristics there are five type of healthy skin normal, dry, unctuous, combination,(both unctuous and dry skin) and sensitive Cosmetic plays a significant part in moment's life style. Also current trend is going green in nearly all diligence including cosmetics to borrow more natural way of life. The preferable choices are natural food, herbal drugs and natural curing practices for healthy life and also there's important demand for the organic vegetable products. The operation of herbal cosmetics has been increased to numerous crowdsin particular care system (1). Natural products have been used for folk drug purposes throughout the world for thousands of time. Numerous of them have pharmacological parcels similar as antimicrobial, anti- inflammatory and cytostatic effect. They

have been honoured as useful for mortal drug. Herbal excerpt are cultivated each over the world and is high name in horticulture sector, dress made up of herbal excerpt for skin care and hair care are veritably popular for their trustability. Herbal ornamental products include colourful expression. The word herbal indicated safety as compared to synthetic product which are having colourful adverse goods on mortal health. The primary purpose of the lip balm is to give an occlusive subcaste on the lip face to seal humidity in lips and cover them from external exposure a lip balm wax like substance applied topically to the lips to moisturize oil painting that cover it from the outside environment.

Anatomy of lip:

The lips function as speech, suction, and prehension organs. It is made up of the orbicularis muscle, superficial fascia, skin, and the surrounding muscles (areolar tissue and mucosal membrane). Areolar tissue is composed of coronary arteries that fully surround the buccal opening close to the lips' natural union. The inferior and superior coronary vessels coronary arteries that originate in the face. The bigger in the superior than the inferior coronary anastomoses with its counterpart on the plus side and releases a little artery that leads to the Septum Arteria Septinasi

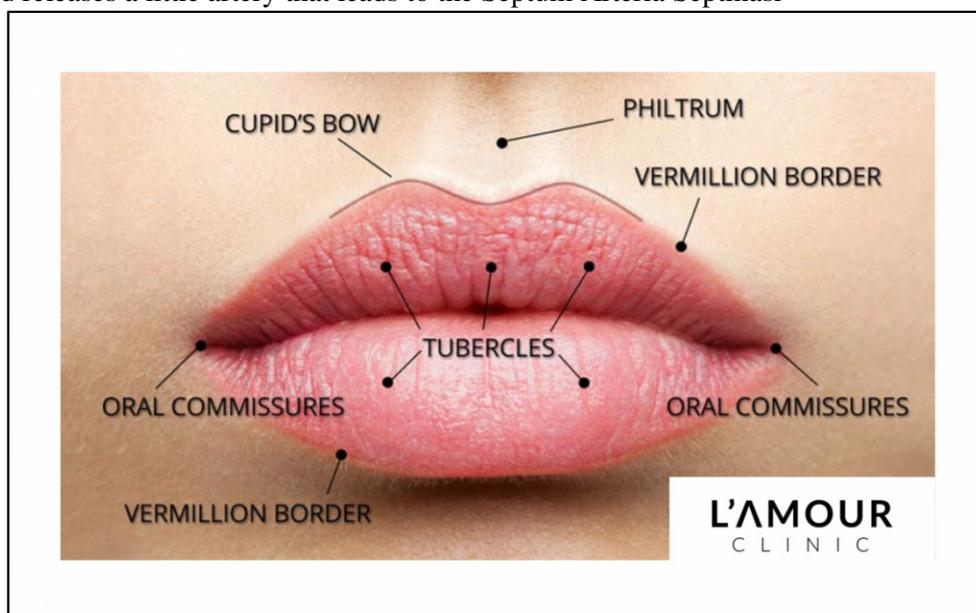


FIG:1)Anatomy of lip

Summary:

Although earwax may have been the source of lip balm, Charles Browne Fleet introduced it to the market in the 1880s. In her widely read book *The American Frugal Housewife*, Lydia Maria Child suggested using earwax as a remedy for cracked lips, more than 40 years before Fleet introduced lip balm into the market. Child noted, "When other remedies have failed, many with cracked lips have found success with this earwax treatment. It's one of those remedies that others are sure to laugh at, but I have heard of cases when it has worked rather well." Global lip balm sales were estimated to be worth US\$660 million in 2019. It is anticipated that the market will expand at a 7.3% annual pace over the next five years, and by 2024, it should have reached US\$1010 million. As public concern over the use of potentially harmful synthetic excipients in cosmetics grows, new methods for making goods using organic ingredients are being developed. Dry, chapped, or cracked lips are extremely typical beauty conundrum, especially during inclement weather. Lips truly need that because they lack oil glands. Additional moisture and shielding all day [1]. Many people struggle with chapped lips throughout the cold, but the issue can also arise in warm months. Traditional lip balms frequently include petroleum

jelly, artificial waxes, alumina, parabens, hydrogenated oils, and synthetic coloring and scent they are poisonous.

CHARACTERISTIC OF LIPBALM:

1. Resistance to temperature variation
2. Pleasant flavour
3. Smoothness during application
4. Innocuousness
5. Adherence and easy intentional removal

Application of Natural Lip Balm:

- Natural Lip balms are products applied onto the lips to avoid dryness and protect against adverse environmental factors.
- Numerous lip balms of chemical origin are currently available in the market from companies like The body shop, Nivea, Himalaya, Blister, Babylip etc.
- Natural Lip balm being a product intended for use by both men and women.
- To produce lip balms, it is necessary to balance the concentration of the main ingredients including butters, oils and waxes and other excipients
- Lip balms are often eaten away by the user and hence it is imperative that health regulators have a microscopic look at the ingredients that go into the lip balm.[4]

Advantages of Natural Lip Balm:

- Lip redolences help to cover the natural health and beauty of the lips.
- Sun block lip redolences are proved to help ultraviolet shafts from hurting the lips.
- They aren't gender specific products and both men and women can use them.
- Lip balm products help to cover lips affected by cold blisters, chapping and blankness.
- Contact of the product with the skin won't beget a sensation of disunion or blankness, and should allow the forming of a homogeneous subcase over the lips in order to cover the labial mucous susceptible to environmental factors similar as UV radiation, blankness and pollution.
- It refreshes, renews and also addresses lip-related symptoms performing from snap, flu and disinclinations.
- The use of natural lip dress to treat the appearance of the face and condition of the skin.

Disadvantages of Natural Lip Balm:

- Lip redolence's made of low-quality constituents can harm the lips seriously. Similar lip redolence's may dry out the lips rather moisturizing it.
- Lip balm dependence is another disadvantage generally seen with the use of them.
- Compared to commercially-set lip redolence's, manual lip redolence's tend to stay on the lips for a shorter duration of time. Therefore, need to reapply frequently.
- Some companies manufacture lip redolence's considering only the beauty aspect, ignoring the health benefits and soft character of the skin. Similar products will gradually damage the natural colour, wimpiness and gleam of the lips.
- The naturally deduced colours and flavours are more delicate to gain and also have issues related to stability in the products.
- Natural canvases have other disadvantages similar as slithery, comedogenic and lower spread ability.(6)

Lip complaint:

1. Swelling:

An antipathetic response can make the lips swell. The response may be caused by perceptivity to certain foods or potables, medicines, camo, or airborne annoyances. When a cause can be linked and also excluded, the lips generally return to normal. But constantly, the cause of the swelling remains a riddle. A condition called heritable angioedema may beget recreating bouts of swelling. Native conditions similar as erythema multiform, sunburn, cold and dry rainfall, or trauma may also beget the lips to swell.

2. Sun Damage:

Sun damage may make the lips, especially the lower lip, hard and dry. Red mottles or a white filmy look signal damage that increases the chance of posterior cancer. This type of damage can be reduced by covering the lips with a lip balm containing sunscreen or by shielding the face from the sun's dangerous shafts with a wide-brimmed chapeau.

3. Inflammation:

With inflammation of the lips (cheilitis), the corners of the mouth may come painful, bothered, red, cracked, and scaled. Cheilitis may affect from a insufficiency of vitamin B2 in the diet.

4. Discoloration:

Dots and desultorily shaped brownish areas (melanotic macules) are common around the lips and may last for numerous times. These marks aren't beget for concern. Multiple, small, haphazard brownish black spots may be a sign of a heritable complaint called Peutz-Jeghers pattern, in which cysts form in the stomach and bowel. Kawasaki complaint, a complaint of unknown cause that generally occurs in babies and children 8 times old or youngish, can beget blankness and cracking of the lips and glowing of the filling of the mouth. (1)

5. SORES:

A raised area or a sore with hard edges on the lip may be a form of skin cancer. Other blisters may develop as symptoms of other medical conditions, similar as oral herpes simplex contagion infection or syphilis. Still others, similar as keratoacanthoma, have no given cause. (6)

Composition of natural lip balm:

Ingredients	Quantity	USES
Bees wax	5%	Used as base
Mentha oil	2%	Preservative
Strawberry pulp	15%	Flavouring agent
Beet root powder	5%	Lighten of the darker lips
Coca butter	0.08%	Healing properties
Vitamin E	5%	Antioxidant ,maintain the stability

Bees wax:

Lip balms, lip glosses, hand creams, ointments, and moisturizers all include beeswax. And in makeup products like blush, eyeshadow, and eyeliner. Additionally essential to mustache and hair waxes, beeswax leaves hair glossy and silky. Because beeswax is a natural emulsifier that enables liquid and oily makeup elements to adhere and hold, it is commonly utilized in makeup products. It gives firm cosmetics like lipstick structure by thickening them up and maintaining their solidity throughout application.

Coca butter:

Emollient and a great natural antioxidant source is cocoa butter. It helps shield your lips from dryness caused by interior temperatures and harsh weather by adding a protective layer of moisture. Because cocoa butter melts at body temperature, it's the preferred component in a variety of skin care products, like as soaps, lotions, and scrubs. Cocoa butter Lipstick is the ideal balm for lips.

Steps involve in preparation of natural lip balm:

Step 1: Gather constituents and inventories.

Step 2: Melt beeswax in a China dish- A on the burner by using water bath.

Step 3: Pour beeswax, Mentha oil painting, and strawberry pulp into a glass measuring vessel and add into hot air roaster until melted together.

Step 4: Add in asked quantum of Beet Root Powder as a Colouring agent.

Step 5: Melt the coca adulation in China dish- B by heating after melting of coca adulation add Vitamin E in it.

Step 6: Add the China dish- B into China dish- A and mix it duly with nonstop stirring.

Step 7: Pour the set product in wide mouth vessel and let cool at room temperature.

MACHINE INFORMATION TO PREPARATION:

A hot plate is a portable self-contained table top small appliance cooktop that features one or more electric heating elements or gas burners. A hot plate can be used as a stand-alone appliance, but is often used as a substitute for one of the burners from an oven range or a kitchen stove. Hot plates are often used for food preparation, generally in locations where a full kitchen stove would not be convenient or practical. A hot plate can have a flat surface or round surface. Hot plates can be used for traveling or in areas without electricity

FIG:2) hot plate

Evaluation test of natural lip balm:



Primary stability Test:

The expression was estimated on primary Stability Tests which included Physical characteristics (colour, odour and appearance) and spread ability test. As this expression results in no Physical or spread ability changes, it was submitted to Normal stability test

Normal Stability test:

A volume of 25 g of the expression was prepared for the Normal Stability Test, in which the Physical characteristics (colour, odour, appearance), spreadability and melting point were estimated for 5

days under the conditions of Room Temperature, Roaster and Refrigerator. The samples were well stored.

Melting Point:

To check the melting point, the material was made melted to fill capillaries. The temperature at which melting of the lip balm sample was observed was considered the melting point. (4)

Organoleptic Characteristics

Colour and appearance were characterized visually with a loupe of 10x exaggeration while the odour was compared by the annotator. The criteria described below were established by the annotator to determine organoleptic characteristics, with samples analysed in duplicate during the destined time for each condition, and compared against a latelyprepared expression at t0

N – Normal;

M – Modified;

IM- intensively modified.

Test of Spreadability:

The test of spreadability comported of applying the product(at room temperature of 22.0 ± 3.0 °C) constantly onto a glass slide to visually observe the uniformity in the conformation of the defensive subcaste and whether the stick disintegrated, misshaped or broke during operation. For this test, the following criteria were established by the critic

G-Good livery, doesn't leave fractions; perfect operation, without distortion of the lip balm

I; Intermediate livery; leaves many fractions; applicable operation; little distortion of the lip blam

B-Bad not invariant; leaves numerous fractions; delicate or unhappy operation, violent distortion of the lip balm .(8)

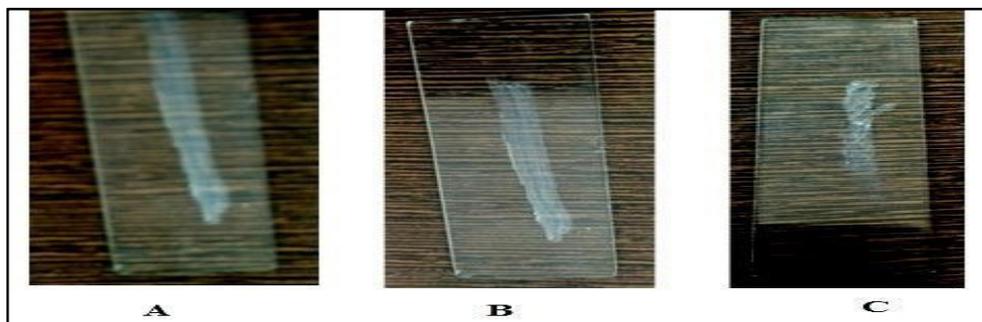


Fig:3)Spread ability Test

pH dimension :

The pH study was carried out by dissolving 1 gm of sample into 100 ml water. The pH dimension was done using pH cadence.(5)

Rancidity:

Rancidity Reagent concentrated hydrochloric acid Phloroglucinol result (Benzene) Shake 10gm of material melted if necessary in 10 ml concentrated hydrochloric acid 10 ml of phloroglucinol result. Shake for 1 min. Material shall be taken to have passed the test if no pink colour develops. (9)

Hardness analysis:

For this investigation the AMETEK Brookfield CT-3 texture analyers was use to analysis hardness. This test was run to evaluate the lip blam hardness because probe TA-39 is the most appropriate probe to measure lipblam hardness it was used.

Skin irritation test:

It is carried out by applying lip blam on the skin for 10minute

Perfume stability:

After 30 days the herbal lips balm underwent testing to record its fragrance

Breaking point:

The strength of lip blam was assessed using the breaking point method.the lip blam was positioned inch from the edge of the support and held horizontally in a socket. The weight was increased progressively to by a free determined amount (10gm) at pre-determine interval of 30sec and the weight at which it broke was regarded as the breaking point.

Measurement of pH

PH of lip balm was near to neutral pH i.e. 6.5 this would not cause any irritation to lips. Lipbalm is insoluble in water so Lipbalm is soluble in Organic Solvent like as Alcohol and Benzene.



Fig:4)Measurement of pH

Result and Conclusion

Parameters	Observations
Colour	Cream
Appearance	Excellent, Smooth
Odour	Pleasant
pH	6.5
Spreadability	Good
Melting Point	63 °C-65 °C
Skin Irritation	No
Braking Point	29gm

During the stability test, the formulation kept in the refrigerator and at ambient temperature exhibited comparable behavior. The organoleptic properties were stable, and the spreadability received a "Good" rating. Since the product's functioning was preserved, storage under these circumstances was deemed sufficient. At room temperature, prepared lip balm has good spreadability. The spreadability test results indicate that storage at room temperature should be at or above 22°C. It was determined that using organic lip balm can be a superior choice when treating different lip conditions.

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