A review on design and evaluation of herbal lipstick

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Abstract: Lipstick is a cosmetic product, which is mainly used to shine and to give attractive appearance to the lips. Both herbal and the synthetic lipstick are formulated and are accumulated marketed, but the herbal lipstick is more preferable than the synthetic because of its safety. The present investigation is done to study the herbal lipstick formulation. The synthetic Lipstick consist of a various Synthetic Ingredients, which leads to the harmful effects. So to the overcome demand in the current market has been increased for accumulation of herbal lipstick. The various herbs are used, from which the different color is extracted by using the different extraction process. For the extraction of different pigment, the different plant parts are used ex: Leaf, Fruit, Bark, Flower “et cetera”.

Keywords: Attractive, Formulation, Ingredients, Herbal lipstick, Pigment Extraction “et cetera”.

INTRODUCTION: Herbal cosmetic is also known as natural cosmetic [1,2]. Now a days the demand of herbal cosmetic has been increased rapidly due to their lack of side effects. The best thing of the herbal cosmetic is that it is purely made by the herbs and shrubs. And these herbs are available in the variety of species. In the market there are different herbal products used one of them is the herbal lipstick. Lipstick is a cosmetic product that contain pigments, oils, waxes and emollients that apply color, texture and protection to the lips. Now a Days synthetic lipstick has many more disadvantages over the herbal lipstick so that is why the natural herbal lipstick are formulated by using various herbal ingredients. The synthetic lipstick Consist of the various heavy metals such as copper, chromium, arsenic and cobalt and some other toxic substance also which are harmful to the lips, which leads to rashes on the lips. The herbal world is more safety in contrast to the synthetic word which leads to the negative impact on the human health. Herbs enriched lipstick form the best lipstick.

WHAT IS THE NEED OF HERBAL PELLETS:
Herbs impart color to our Lips and also gives our lips soft and smooth finish [4].
Herbs also provide natural look to lips [4].
The products made from herbs are effective and do not cause any side effect [4].

OBJECTIVES:

Lipstick is a cosmetic product containing variety of ingredients that when applied gives color, texture and protection to lips. Many varieties of lipstick exist for the purpose to beautify the lips. Used variety of herbal formulations are accumulated out of which herbal lipstick are also going popular [5,6].

IDEAL CHARACTERISTIC:
Ideal characteristics of lipstick which are given as the follows:
Should be Soft in nature [6,7,8].
Consist of all-natural extracted color [6,7,8].
Long lasting [6,7,8].
Do not harm to the lips [6,7,8].
Long shelf life [6,7,8].
No crystals present on the surface [6,7,8].

ADVANTAGES:
The advantages of herbal lipstick are given as the following:
This herbal lipstick moisturizes our lips, and protect them from UV rays [9,10]. Utilizing all-natural lipstick keeps our lips hydrated, soothe, and softening the skin of the lips [9,10]. Lipstick defines your lips and brightens your smile, provided you choose the right shade [9,10].

**DISADVANTAGES:**

The disadvantages of herbal lipstick are given as the following:
- Have very bad odor [9,10].
- Consist of dark color which are difficult to remove when applied on the lips [9,10].
- Manufacturing process is lengthy because after extraction of the drug that undergoes in various process and after that the herbal lipstick formulated [9,10].

**EVALUATION PARAMETER (Heading 1):**

Lipstick are evolved different parameters:

- **Melting point:** Determination of melting point is most important parameter in the evaluation of the herbal lipstick because it will gives us the stability of the lipstick. It is determined by using the capillary tube method. Firstly, the capillary is filled with the lipstick, and then keep the capillary in the capillary apparatus and then observed. And melting point should be noted for lipstick [11,12].

- **Breaking point:** Breaking point was used to determine the strength of the lipstick. The lipstick was held horizontally in a lipstick socket. The weight was gradually increased by a specific value at specific interval of time and weight at which lipstick breaks was considered as the breaking point [11,12].

- **Surface anomalies:** This was used to study the surface defect and to know whether the surface consist of crystals on the surface of lipstick [11,12].

- **Force of application:** This test was mainly used to know how much force is required to apply lipstick on the lips. In this a piece of coarse brown paper kept on a shadow graph balance and which was used to measure the force to be applied to apply lipstick on the lips [11,12].

- **Solubility test:** In the solubility testing study the various solvents are used to know the solubility. By dissolving lipstick in solvent solubility determined [11,12].

- **Skin irritation test:** This test is mainly performed to know the irritancy of the lipstick. For this the lipstick should be applied to the skin for 10 min and the irritancy is noted [11,12].

- **Ph parameter:** The Ph of formulated herbal lipstick was determined by using pH meter [11,12].

- **Perfume stability:** The formulation of herbal lipstick was tested after one month, to know about fragrance of the lipstick after its long storage [11,12].

- **Aging stability:** Aging stability leads to know about how long the product should be stored. For this the product should be stored in 40°C at Hr. and various parameter such as bleeding, crystallization, and surface defect can be studied [11,12].

- **Color:** The color should be natural as that of herb studied.

**MATERIAL AND METHOD:**

The following methods should be adapted.

- **Selection of herbs:** The various herbs be used in the formulation of the herbal Lipstick hence selection of the herb is based herb means by the literature survey [13].

- **Collection and authentication of herbs of plant material:** The different herbs used in the formulation of the herbal lipstick should must be authenticated [13].

**METHOD OF PREPARATION:**

The herbal Lipstick were formulated as per general method.
In this formulation wax were melted in a beaker at 70°C on a water bath with decreasing order of their melting point. Similarly, paraffin and oil were taken in another beaker and melted at 70°C on a water bath in decreasing order of their melting point [14,15].

The colored pigment was added to the oil phase until homogeneous mixture was obtained [14,15].

Then it was added to the wax phase at the same temperature. The mixture was cooled at 40 °C and essence was added [14,15].

The molten mixture was poured into lipstick Molds. Upon solidification it was separated from Molds and fitted in the lipstick case [14,15].

MARKETED PREPARATION OF HERBAL LIPSTICK:

For Example:

Myglamm. k plays flavor lipstick [16].
Herbal Enriched Ayurvedic lipstick [17].
LIT Statin Matte Lipstick [18].
Pose HD Lipstick [19].
Ruby’s Organic semi-matte Lipstick [20].

MARKETED PREPARATION OF SYNTHETIC LIPSTICK:

For Example:

LIT Liquid Matte lipstick [21].
LIT Statin Matte Lipstick [22].
Perfect Curve Moisturizing Matte Lipstick [23].
Manish Malhotra Hi-Shine Lipstick 24].

PATENTED TECHNOLOGY:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Patent no</th>
<th>year</th>
<th>Paper title</th>
<th>Abstract</th>
<th>Novelty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CN102366354A</td>
<td>2011</td>
<td>Color changing lipstick.</td>
<td>Invention leads to the formation of the lipstick which changes the color when applied to the lips. According to the Ph of the lips it should changes its color and provide a moisten, glossy lips for longer duration of time.</td>
<td>Color changing lipstick is prepared which leads to give beautiful look to the lips [25].</td>
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<tr>
<td></td>
<td>Patent Number</td>
<td>Year</td>
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<td>2</td>
<td>CN102274135A</td>
<td>2011</td>
<td>Cheilosis preventing lipstick</td>
<td>By using all natural ingredients including vitamin E, lipstick was prepared which prevent the cheilosis of the lips and by simple method the lipstick is prepared.</td>
<td>[26]</td>
</tr>
<tr>
<td>3</td>
<td>CN105411877A</td>
<td>2014</td>
<td>Transparent skin moistening lipstick and preparation method thereof.</td>
<td>Formulation of the transparent skin moistening lipstick which leads to keep lips hydrated. This one is long lasting lipstick.</td>
<td>[27]</td>
</tr>
<tr>
<td>4</td>
<td>CN105055279A</td>
<td>2015</td>
<td>Preparation method of natural lipstick.</td>
<td>The natural lipstick made-up of the natural component which is good for lips. The natural lipstick remain long time sustained on the lips.</td>
<td>[28]</td>
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<tr>
<td>5</td>
<td>CN105534754A</td>
<td>2016</td>
<td>Color edible lipstick.</td>
<td>The lipstick is formulated by using the herbal ingredients, no any artificial ingredients is used.</td>
<td>[29]</td>
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<td>6</td>
<td>CN105309316A</td>
<td>2016</td>
<td>All-natural lipstick containing no castor oil or synthetic raw materials.</td>
<td>The lipstick was prepared by using the natural ingredients without the use of the castor oil and any synthetic raw material. Due to use of natural ingredients. the harm or any allergic effect to the lips get prevented.</td>
<td>[30]</td>
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<tr>
<td>No.</td>
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<td>7</td>
<td>CN107184502A</td>
<td>2017</td>
<td>A kind of medicinal lipstick and preparation method thereof.</td>
<td>A medicinal lipstick was prepared by using the medicinal plant extract. These lipsticks are more beneficial to the lips because which prevent any harm to the lips. The lipstick was prepared which prevent the casting of the lips by using the medicinal plant extract. simple method is used for the preparation [31].</td>
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<td>8</td>
<td>CN108403528A</td>
<td>2018</td>
<td>Summer naturally moist lipstick and preparation method thereof.</td>
<td>The invention leads to the formation of summer lipstick by using the natural lipstick which prevent the damage of the lips in the summer and increases the moisturizing property, glossyness of that lips. (Indirectly which prevent the drying of the lips in summer). Lipstick was prepared by using the special method and natural ingredients which leads to enhance the moisturizing property of the lips [32].</td>
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<td>9</td>
<td>CN109199967A</td>
<td>2018</td>
<td>A kind of Nourishing type lipstick formula.</td>
<td>The formula is formulated in such a way which leads to the formation of the nourishing lipstick. The herbal natural ingredients are used in this formulation which prevent the antiallergic, antibacterial and Anti-fungal effect. Lipstick prepared which shows the antibacterial and anti-inflammatory effect [33].</td>
<td></td>
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<tr>
<td>10</td>
<td>CN105395384A</td>
<td>2015</td>
<td>Lipstick containing vitamins.</td>
<td>The lipstick is formulated by using the vitamin E, which leads to prevent lips from drying and cracking. Lip pomade containing vitamin was prepared [34].</td>
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28) 2015 Preparation method of natural lipstick CN Publication, CN105055279A Published on 11/18/15.
29) 2016 Color edible lipstick CN Patent CN105534754A, Published on 05/04/2016.
30) 2016 All-natural lipstick containing no castor oil or synthetic raw material CN Publication, CN106309316A Published on 01/11/2017.
31) 2017 A kind of medicinal lipstick and preparation method there of CN Publication, CN107184502A.
32) 2018 Summer naturally moist lipstick and preparation method there of CN Publication, CN108403528A Published on 08/17/2018.
33) 2018 A kind of nourishing type of lipstick formula CN Publication, CN109199967A Published on 01/15/2019.
34) 2015 lipstick containing vitamin CN Publication, CN105395384A Published on 03/16/2016.