FORMULATION AND EVALUATION OF HERBAL FACEWASH BY USING NATURAL INGREDIENTS BY SIMPLE MATCHED

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ABSTRACT

The herbal facewash was formulated by using leaf of neem, Aloe Vera, tulshi, vit-c, tocopheryl acetate ayurvedic cosmetics is very helpful and does not give it side effects. Ayurvedic cosmetics are also known as herbal cosmetics. All herbal ingredients are easily available market of surrounding area. today condition many pollution partial of UV rays harmful for the human body it's damage our skin so cosmetics is a part of the take care of the skin and body part. Neem has gives more medicinal properties Neem live and their chemical constituents have been demonstrated to exhibit antiinflammatory, antihyperglycemic, antiulcer, antimalarial, antifungal, antibacterial, antimutagenic and ant carcinogenic property. Aloe plant produces substance used in cosmetics products it used treat burn the skin conditions psoriasis and even acne. Tocopheryl acetate used in skin care products. the antioxidant properties of tocopheryl acetate can help to prevent damage to skin caused by free radicals from UV exposure as well as it gives antiinflammatory effect. Tulshi give many benefits for the skin like deep clean the skin, treat acne, lightens skin tone. Vit-c and turmeric also used. Herbal facewash preparation is a medicine or drug like medicinal properties like antibacterial antifungal bring the skin and may property. The crude drug which used in the facewash preparation is given many property medicine or cosmetics. The plant used in facewash preparation is able to soft the skin epidermis enhance greater penetration remove acne as well as promote healing and resolution in quickly in time.

Keywords: Herbal Facewash, Neem, Tulshi, Vit.C, Vit.E, Alovera, Turmeric, Rose Water, Lavendar Essential Oil.

I. INTRODUCTION

In which facewash preparation mainly content neem, tulshi, vit-c, tocopheryl acetate, alovera and glycerine. This content gives it common property or many positive effect on the skin neem is the mostly effective because it’s show many property like antibacterial antifungal or many skin problem. The neem leaves used in the facewash preparation.

The tulshi is also used in the facewash preparation. It give many property like deep clean the skin, treat acne, lightens skin tone. Tulshi also used several acute respiratory syndrome. Tulshi also used in diabetic patients the reducing blood glucose levels. The juice of tulshi leaf gives relief in cold fever bronchitis and cough. Tulshi gives more property it reduces stress, enhance stamina relief information also used as main compound in this herbal facewash.

Alovera is used for the prevent sing of aging. Reduce acne, help lighten plamishes, reduce stretch mark, sunburn and moisturiser. Alovera is also give smooth and supply skin. The rose water is used in facewash preparation for moisturised skin. This facewash is mainly give more property antibacterial, antifungal, lightness skin, acne remove and smooth or moisture skin.

Chemical-
Glycerine, lavendar essential oil, rose water.

Collection and extraction

The leaves of the neem is collected from the fresh plant and is wash properly and dry. Tulshi leave also used same method.

Extraction of the neem leaf mix in mixture and extract it just same method used in tulshi leaf the alovera gel extract proper. this extraction is best for the facewash results.

Content of the facewash:

Neem
Botanical name- Azadiracta indica.
Part typically used- Leave.
Color- Green.
Constituents- flavonoids, Alkaloids, Azadirone, nimbin, nimbidin, terpenoid, steroids.

**Tulshi**

Biological name- Ocimum tenuiflorum.
Common name- holy basil.
Chemical constituents- eugenol germacrerpens.
- Part typically used- leaves.
Colour- Green

**Alovera**

Biological name- Aloe Vera.
Common name- Aloe barbadensis Miller.
Chemical constituents- vitamin, enzyme, minerals, sugars, lignin, saponin, salicylic acid and amino acid. Part typically used- leaves
Color- Green.
Turmeric

Biological name: curcuma longa
Common name: haldi
Part typically used: root

Vit-C, Vit-E.
Lavender essential oil.

Formulation:

<table>
<thead>
<tr>
<th>Table (1)</th>
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</thead>
<tbody>
<tr>
<td>Chemical</td>
</tr>
<tr>
<td>Lavendar essential oil</td>
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<tr>
<td>Rose water</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Table (2)</th>
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<tbody>
<tr>
<td>Herbal plant</td>
</tr>
<tr>
<td>Neem</td>
</tr>
<tr>
<td>Tulshi</td>
</tr>
<tr>
<td>Lemon</td>
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<tr>
<td>Turmeric</td>
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<tr>
<td>Vit.E</td>
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Table (3)

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neem</td>
<td>6g</td>
</tr>
<tr>
<td>Tulshi</td>
<td>2g</td>
</tr>
<tr>
<td>Aloevera</td>
<td>4g</td>
</tr>
<tr>
<td>Vit.C</td>
<td>1g</td>
</tr>
<tr>
<td>Turmeric powder</td>
<td>0.5g</td>
</tr>
<tr>
<td>Vit.E</td>
<td>1.5g</td>
</tr>
<tr>
<td>Rose water</td>
<td>7ml</td>
</tr>
<tr>
<td>Lavender essential oil</td>
<td>3ml</td>
</tr>
</tbody>
</table>

II. METHODOLOGY

Give 6g. of neem powder in a beaker then this beaker may be add 2g. Of tulshi, 4g. Of aloevera, 1g. Of vit.C., 1.5g. of vit.E, rose water 10ml., and turmeric 0.5g then all are mix 2 to 3 min. The double heat method give for the melting glycerin facewash, so give span on induction and add some water then small content take in water and add 12g. Of glycerine in the container and it melt. After melt, add mix all ingredient in the melt and mix it them finally heat Stop and add lavender essential oil in the preparation solution will be give in small, small container for the facewash. Final facewash is ready and it packing in the bottle.

Neem – antibacterial properties treat acne.
Aloevera – moisturizer or sunburn.
Turmeric – antimicrobial agents lightning anti wrinkle wound Heald.
Tulshi – antimicrobial agents.
Rose water – cooling agent emollient.
Lavender oil – flavouring.

III. USE OF FACEWASH

Treat acne antibacterial properties of neem fight acne causing bacteria which help in the treatment and prevention of acne. Tackles blachheads and whiteheads. Aloevera shows moisturizer it is moisture the skin without giving it a greasy feel. So it is perfect for anyone with an oily skin. It also fight sunburn or acne. This facewash is mainly used all skin problem.

IV. EVALUATION

(1) Physical properties
Color – Green.
(2) Thermal stability
Thermal stability of the formulation was determined by the humidity chamber controlled at 60-70/ RH at room temperature. This facewash is mainly stable at room temperature temperature increases it mainly unstable.
(3) Determination of PH
7 to 8 ml of the facewash was weighted accurately in a 50ml beaker 20ml water was added and dispersed the facewash in it. The pH of the solution is determined by using ph meter. PH of facewash is 7.8.
(4) Stability studies
The stability studies were carried out as per ICH guidelines. the facewash filled in bottle and keep in humidity chamber maintained at30to 2 ,60 to 5 and 70 to 5/ RH for two months. At the end of studies sample were analysed for the physical properties and viscosity. High moisture content it well be affect on the facewash.
(5) Microbial growth
Using agar plates the plates were placed in to the incubator and are incubator at 37c for 24 hours and compared with standard

(6) Foaming ability and foam stability
Foaming ability was determined by using cylinder shake method brittle 40ml of the formulation facewash solution was placed graduate cylinder. It was covered with any hand and shaken 10 times the total volume of the foam content after 1 min of shaking recovered foam stability was evaluated by recording the foam volume after 1 min and 4 min is 80 to 93/ foam formed

V. CONCLUSION
The plant of neem, tulshi turmeric and aloevera constituents extraction was studied. The prepared formulation when tested for different test gave good results. It does not give any irritancy to skin it was determined by using these facewash by few volunteer hence it is proved that facewash does not give any irritancy to skin. Furthermore the prepared facewash were standardized by evaluating various physico chemical properties such as pH appearance odour in which the exhibit satisfactory effect.

VI. REFERENCE