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RESEARCH ARTICLE

Formulation and Evaluation of Home Made Poly-Herbal Face Pack

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ABSTRACT

The main aim and objective of the present work is to formulate and evaluate a homemade readily available poly herbal face pack which is prepared from locally available ingredients and used as a cosmetic. Aloe Vera gel, Carrot powder, Indian Sandalwood powder, Neem powder, Orange peel powder, Papaya powder, Rose water, Turmeric powder, and Tulsi powder are the main ingredients used in the formulation. Nine different formulations of face pack was formulated and evaluated for physical parameters and Irritation studies and the all formulations shown good physical properties. The herbal cosmetics are non toxic in nature; reduce the allergic reactions, cheap, easily available and time tested usefulness of many ingredients. Thus in the present work, we found good properties for the face packs and further optimization studies are required on this study to find the useful benefits of face packs on human use as cosmetic product.

Keywords: Polyherbal Face Cream, Cosmetics, Formulation, Homemade and Evaluation.

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1. Introduction

Face is the parameter which identify a person and it is a window of the body and mind, now a days there is a decline of faith in modern cosmetics so the present trend is shifted to the herbal cosmetics which are efficient to man-made synthetic cosmetics and the reference to successful historical use by different cultures and is proved from since ages. Smooth, radiant and silky skin can be obtained by

homemade natural face packs and masks as they contain some vital vitamins that are required for the health and glow of your skin. In consumers there is an increased acceptance as well as manufacture of herbal cosmetics with the adverse effects of synthetic cosmetics. One can derive the maximum benefits of herbal face packs by using them according to their skin type. Face packs are helpful for preventive and curative purpose of any skin problems.^[1, 2, 3]

2. Materials and Methods

Aloe vera gel, Carrot powder, Indian Sandalwood powder, Neem powder, Orange peel powder, Papaya powder, Rose water, Turmeric powder, Tulsi powder. The materials used in the present purchased from local market and processed for further use. The below are the details of the plant materials study. [4]

Formulation of Face Pack: The powdered ingredients were sieved using #100 meshes, weighed accurately and mixed geometrically for uniform mixing [5,6,7]. This was then stored in an air tight container for evaluation. The formulations made were present in the given table 1. Mix all the powders in the proportions as stated in the formulation table given below. To the resultant powder add specified aloe vera gel and allow it for drying. For F1 1mL of glycerine is added for its consistency. For F2 0.2 gm of stearic acid and 1mL of glycerine is added. For F3 2.5mL of stearic acid is added as a preservative by dissolving it in ethanol. For F4, F5, F7, F8, F9 bees wax is added in the amount of 3gms, 2gms, 0.8 mg, 0.5 mg, 0.3 mg as an emollient.

Evaluation Test[8, 9]:

Organoleptic properties: The organoleptic parameters include its nature, colour, feel, consistency which were evaluated for its physical properties.

Homogeneity: The formulation was tested for the homogeneity by visual appearance and by touch.

Appearance: It is in greenish yellow with scrubby texture. Which is a semi-liquid form.

After feel:

Emollience, scrubby and amount of residue left after the application of fixed amount of pack was checked.

Removal: The ease of removal of the pack applied was examined by washing the applied part with tap water.

Irritancy test: Mark an area (1 sq.cm) on the left hand dorsal surface. The cream was applied to the specified area and time was noted. Irritancy was checked if any for regular intervals up to 24hrs and reported.

pH: The pH of the prepared formulations were tested with Elico pH meter.



Fig.1: Aloe vera



Fig.2: Carrot Powder



Fig.3: Papaya Powder



Fig.4: Neem Powder



Fig.5: Orange Peel



Fig.6: Turmeric



Fig.7: Tulsi

3. Results and Discussion

From above results it is concluded that on combining the extracts of different components in different ratio to get multipurpose effect such as Whitening, Anti-wrinkling, Anti-aging and sunscreen effect on skin. As we know the it is not possible to increase the extent of the efficiency of medicinal and cosmetic property of single plant extract, but by combining the different natural components can be possible to increase the efficacy of the extracts. These studies suggest that composition of extracts and base of pack of F6 is most stable up to 2 months and safe, it may produced synergistic action without side effects as this pack comprising of many natural substance.

4. Conclusion

Natural remedies are more acceptable in the belief that they are safer with fewer side effects than the synthetic ones. These face packs were formulated with natural available ingredients like aloe vera gel, Indian sandalwood powder, neem powder; orange peel powder, tulsi powder, rose water which can treat a wide range of face ailments and we found good properties for the face pack and further optimization studies are required on this study to find the useful benefits of face pack on human use as cosmetic product. The product is very easy and cheap and reliable and can be made at home.

Table 1: Formulation Table

Ingredients	F1	F2	F3	F4	F5	F6	F7	F8	F9
Aloe Vera gel	2gm	2gm	2gm	2.2gm	1.575gm	2gm	2gm	3gm	-
Carrot powder	0.5gm	0.75gm	1.0gm	0.7gm	0.2gm	0.5gm	0.6gm	0.5gm	0.5gm
Indian Sandalwood powder	0.5gm	0.75gm	1.0gm	0.7gm	0.5gm	0.5gm	0.5gm	0.5gm	0.7gm
Neem powder	0.5gm	0.75gm	1.0gm	-	-	0.5gm	-	0.6gm	0.5gm
Orange peel powder	0.5gm	0.75gm	1.0gm	0.7gm	0.5gm	0.5gm	0.5gm	0.5gm	0.5gm
Papaya powder	0.1gm	0.2gm	0.05gm	0.7gm	0.1gm	0.2gm	0.5gm	0.5gm	0.5gm

Turmeric powder	2gm	2gm	1.5gm	2gm	1.575gm	2gm	3gm	3gm	3gm
Tulsi powder	0.5gm	0.75gm	-	-	0.1gm	0.5gm	-	0.9gm	0.5gm
Rose water	Q.S	Q.S	Q.S	-	Q.S	Q.S	Q.S	-	Q.S
Stearic acid	-	0.2gm	-	-	-	-	-	-	-
Bees wax	-	-	-	3gm	2gm	-	0.8gm	0.5gm	0.3gm
Glycerine	1ml	1ml	-	-	-	-	-	-	-
Stearic acid+Ethanol	-	-	2.5mL	-	-	-	-	-	-

Table 2

Evaluation Test	F1	F2	F3	F4	F5	F6	F7	F8	F9
Homogeneity	+	-	-	+	+	+	+	+	+
Appearance	+	+	+	+	-	+	+	+	+
After feel	-	-	-	+	+	+	+	+	+
Removal	+	+	+	+	+	+	+	+	+
Irritancy Test	+	-	-	+	+	+	+	+	+

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