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Formulation And Evalution Of Herbal Scrub

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ABSTRACT

Neem scrub is a popular herbal skincare product that offers numerous benefits for the face. Herbal scrub help to remove blackheads, lighten skin and improve skin tone. Herbal scrub removes dead skin cell dirt from skin, leaving it clean and refreshed. It also can help to soothe skin irritation such as redness, itchiness and inflammation. It is nature skin care product which is effective reducing acne and pimples by killing bacteria and reducing inflammation. It is also known for maintaining of skin health by reducing hyperpigmentation, prevent premature aging and wrinkles.

INTRODUCTION

Skin is one of the most important parts of the body. It performs many vital functions including protection against external, physical, chemical and biological assailants, as well as prevention of excess water loss from the body and role in thermoregulation. Generally, skins are of three types- Dry skin, Oily skin and Sensitive skin. The people with dry skin must use facial scrub which contains hydrating ingredients. Gentle scrub should be used for sensitive skin. For oily skin, gel-based scrub is preferred. Herbal cosmetics are prepared by the association of bioactive ingredients and pharmaceutical products. Cosmetics are developed to reduce wrinkles, fight acne and to control oil secretion. Gentle massage is recommended on application of the scrub gel which helps to improve blood circulation. It has several benefits such as remove dark patches, helps in removing dead cells, improves the texture of skin.

LITERTURE REVIEW

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2. K. Sanghi and Rakesh Tiwle, formulation and characterization of herbal face wash/scruber, european journal of pharmaceutical and medical research, 2016,3(11), 274-278
3. Ghadage P. K., Mahamuni S. S., Kachare D. S. Formulation And Evaluation Of Herbal Scrub Using Tamarind Peel”Volume IX, Issue VII, July/2020.

4. Mrs.Shivani S. Samarth, Harshada H. Patil, Pranoti S. Powar, Mansi M. Pawar, Formulation and Evaluation of Herbal Serum Form International Journal of Novel Research and Development, Volume 10, Issue 1 January 2025

NEED & OBJECTIVES

The need and objectives of herbal scrub

NEED:

1. Natural ingredient: To utilize natural ingredient, known for their removal of blackheads, skin lightening and improve skin tone.
2. Versatility: To be suitable for various skin type including dry skin, oily skin and sensitive skin.
3. Safe Use: Herbal scrub is completely free from all the harmful chemicals as they are naturally derived.
4. Herbal scrub will not only be safe to use but it will also exfoliate your skin, making look healthier and more glowing.

OBJECTIVES:

1. The objectives of the study are to formulate an herbal gel scrub using natural ingredients such as neem, honey and turmeric etc.
2. To formulate the gel-based scrub by using natural ingredients.
3. To provide a gentle and non-irritating skincare solution.
4. To offer a cost-effective and environmentally friendly alternative to commercial skincare product.

INGREDIENT LIST

Sr. No	Name	Ingredient	Uses
1.	Neem leaves powder		-Skin toner -Lightens skin blemishes -Remove blackheads
2.	Turmeric powder		-Reduce acne -Glowing skin -lighten skin
3.	Honey		-Good for wrinkle -Aging prevents -remove dirt from pores
4.	Carbopol 934		-Base -Gelling agent

5.	Distilled water		-Vehicle
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FORMULATION TABLE

Sr. No	Ingredient	Quantity
1.	Neem leaves powder	1gm
2.	Turmeric powder	0.5gm
3.	Honey	0.5gm
4.	Carbopol 934	0.5gm
5.	Distilled water	q.s

FORMULATION PROCESS

METHOD OF PREPARATION OF HERBAL GEL SCRUB: -

Carbopol 934 soak for 24 h. and make gel base

Adjust the pH by using triethanolamine.

Add measured quantity of herbs in it.

methyl paraben as a preservative.

Make up the final volume by vehicle and stored in well closed container.

EVALUTION OF HERBAL SCRUB

To evaluate the quality of prepared formulation, several quality tests were performed.

1. **Colour:** The Colour of the gel scrub was observed by visually.
2. **Odour:** The odour of the formulation was evaluated by smelling.
3. **Consistency:** Consistency was determined manually.
4. **pH:** pH of 1% solution of the formulation was measured by using a calibrated digital pH meter at constant temperature.
5. **Washability:** Formulation was applied on the skin, easily remove by washing with water were check washability.
6. **Spreadability:** The spread ability of the gel was determined manually by applying on skin with hand or face gentle rub which easily spread through the skin surface.
7. **Sensitivity:** The formulated preparation applied on human volunteer's hand or face and observed for any side effects.

RESULT

Sr. No.	Test	Result
1	Colour	Green
2.	Odour	Pleasant
3.	Consistency	Good
4.	pH	6-7
5.	Washability	Easily removed by washing water
6.	Sensitivity	No irritation, itching and redness

SUMMARY & CONCLUSION

Summary-

The Herbal scrub provides therapeutic as well as maintain good health of facial skin. It's Exfoliating Hydrating and Natural abrasive properties protect facial skin from damage caused by free radicals, retain moisture, helping to and hydrate and soften skin, also improve skin texture by reducing appearance of fine lines, wrinkles and hyperpigmentation.

Conclusion-

This study has determined that various poly-herbal ingredients including Neem powder, honey and turmeric powder were combined in formulation to provide multiple benefits for facial skin. These benefits include Exfoliation, hydration and natural abrasive, helps to maintain good skin. The main goal of this study was to prepare a herbal scrub that addressing various facial skin issues. This scrub designed to exfoliate, hydrate facial Skin.

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