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"Formulation Of DryskinherbalLotion White Strawberry"

late narayandas bhavandas chabada institute
pharmacy raigaon Satara

Ms. Pooja Sampat Dabhade

students of cosmetic science

Mr. Patil R.R

Assistant Professor M.Pharm.(Pharmacutics)

Abstract

The herbal cosmetics are those when natural herbs and their products used for their aromatic value in cosmetic preparation among consumers for herbal products triggered the demand for natural products and natural extracts in cosmetics preparations.

Lotions are liquid preparations meant for external application without friction. They are applied directly to skin with the help of some absorbent material, such as, cotton wool or gauze soaked in it. Formulation of aloe vera lotion, formulation of menthol lotion and aloe vera lotion with arrow root powder is prepared using different composition.

Key Word : White strawberry, alovera gel, coconut oil, shea butter, vitamin e oil, glycerin, calendula oil.

Introduction

Study formulates the Herbal Body Lotion (referred to as "Products") in this publication. These Products are meticulously made using a basis of acceptable cosmetic ingredients and one or more herbal elements to deliver exclusive cosmetic benefits. This research calls these goods "Herbal Cosmetics". Herbal lotions use fragrant herbs and their derivatives in cosmetics. This method has been popular with herbal product buyers, increasing cosmetics demand for natural ingredients and extracts. Lotions are non-friction liquids for external use. The skin is directly applied to substances using absorbent materials like cotton wool or gauze saturated with them. Lotions can chill, calm, or protect locally, A herbal body lotion is a liquid composition applied to the skin to improve aesthetics. Lotions remove sebum and cleanse the skin. This chemical improves blood circulation, skin moisturization, astringency. freshness, bleaching, and therapeutic effects. Most herbal body lotions are applied gently. Finely dividing insoluble materials into colloidal particles soothes inflammatory areas and improves interaction with ill surfaces. During manufacture, many ingredients can be added to improve lotion dispersion or cooling, soothing, drying, or protective properties. Pl. Cosmetics reduce wrinkles, acne, and sebum. Many formulations address skin issues, including skin protection, sunscreen, anti-acne, anti-wrinkle, and anti-aging. Different ingredients

are used. to make these mixtures. The current study collects data on herbal lotion manufacture using herbs. It discusses the benefits and uses of these lotions in cosmetics formulation. The ancient Indian medicine system Ayurveda uses herbs and plants to heal various diseases. A lotion's main goal is to protect the skin from weather and environmental conditions while relaxing it. Cosmetics are substances that are rubbed, poured, sprinkled, or sprayed on the body to wash, beautify, increase attractiveness, or change appearance, according

Dry skin needs deep nourishment and hydration, and a herbal lotion infused with White Strawberry is the perfect solution. This natural skincare formula is enriched with herbal extracts that moisturize, soothe, and revitalize your skin while providing a refreshing and delicate fragrance.

Key Benefits: Deep Hydration: Rich in natural moisturizers to keep skin soft and supple.

White Strawberry Extract: Known for its brightening and antioxidant properties, it helps improve skin tone and texture.

Herbal Ingredients: Infused with botanical oils and plant extracts that nourish the skin. Non-Greasy

Formula: Absorbs quickly, leaving skin smooth and refreshed.

Soothing Effect: Helps relieve dryness, irritation, and rough patches.

Perfect for daily use, this herbal lotion locks in moisture and enhances skin health, making it an ideal choice for those seeking a natural, gentle, and effective skincare solution.

These formulations were evaluated with different evaluation parameters like Homogeneity, Appearance, After feel, Acid Value, pH measurement, Irritancy test, Viscosity, Accelerated stability testing, Subjective Properties, Spreadability, Type of emulsion test, Sensitivity Test, Washability Test, statistical analysis, In vitro permeation studies, Test for thermal stability, Determination of total fatty matter, Determination of water content, Patch test. The objective of this review is to compile the information of different herbal formulations of lotion and its evaluation.

These Products are meticulously made using a basis of acceptable cosmetic ingredients and one or more herbal elements to deliver exclusive cosmetic benefits. This research calls these goods "Herbal Cosmetics". Herbal lotions use fragrant herbs and their derivatives in cosmetics. This method has been popular with herbal product buyers, increasing cosmetics demand for natural ingredients and extracts. Lotions are non-friction liquids for external use. The skin is directly applied to substances using absorbent materials like cotton wool or gauze saturated with them. Lotions can chill, calm, or protect locally, A herbal body lotion is a liquid composition applied to the skin to improve aesthetics. Lotions remove sebum and cleanse the skin. This chemical improves blood circulation, skin moisturization, astringency, freshness, bleaching, and therapeutic effects. Most herbal body lotions are applied gently. Finely dividing insoluble materials into colloidal particles soothes inflammatory areas and improves interaction with ill surfaces. During manufacture, many ingredients can be added to improve lotion dispersion or cooling, soothing, drying, or protective properties Pl, Cosmetics reduce wrinkles, acne, and sebum. Many formulations address skin issues, including skin protection, sunscreen, anti-acne, anti-wrinkle, and anti-aging. Different ingredients are used to make these mixtures. The current study collects data on herbal lotion manufacture using herbs. It discusses the benefits and uses of these lotions in cosmetics formulation.

The ancient Indian medicine system Ayurveda uses herbs and plants to heal various diseases. A lotion's main goal is to protect the skin from weather and environmental conditions while relaxing it. Cosmetics are substances that are rubbed, poured, sprinkled, or sprayed on the body to wash, beautify, increase attractiveness, or change appearance, according to the Drugs and Cosmetics Act.

Herbal Cosmetics, here referred as Products, are formulated, using various permissible cosmetic ingredients to form the base in which one or more herbal ingredients are used to provide defined cosmetic advantages only. shall be called as "Herbal Cosmetics". The herbal cosmetics are those when natural herbs and their products used for their aromatic value in cosmetic preparation among consumers for herbal products triggered the demand for natural products and natural extracts in cosmetics preparations.

Lotions are liquid preparations meant for external application without friction. They are applied directly to skin with the help of some absorbent material, such as, cotton wool or gauze soaked in it. Lotions may be used for local action as cooling, soothing or protective purposes.

Containers: Lotions should be dispensed coloured fluted bottles in order to distinguish them from preparation meant for internal use.

Storage: Lotions should be stored in a well filled, well closed in an air tight container in cool place.
Equipment:- Digital balance, pH meter, measuring cylinder, glass bowl, spoon, Brooke field viscometer.



Herbal Ingredients
white strawberry:

Biological Source:

* Kingdom : Plantae Clade
: Angiosperms Clade : Eudicots
Clade : Rosids Order: Rosales
Family : osaceae
Genus : Fragaria
Species : Fragaria x ananassa (White Strawberry is a cultivar of this species)



Aloe vera gel:

Biological Source:

- * Kingdom: Plantae
- * Clade: Angiosperms
- * Clade: Monocots
- * Order: Asparagales
- * Family: Asphodelaceae
- * Genus: Aloe
- * Species: Aloe barbadensis (also known as Aloe vera)

**Coconut oil:****Biological Source:**

- * Kingdom: Plantae
- * Clade: Angiosperms
- * Clade: Monocots
- * Order: Arecales
- * Family: Arecaceae
- * Genus: Cocos
- * Species: Cocos nucifera (Coconut palm)

**Shea Butter****Biological Source:**

- * Kingdom: Plantae
- * Clade: Angiosperms
- * Clade: Eudicots
- * Clade: Rosids

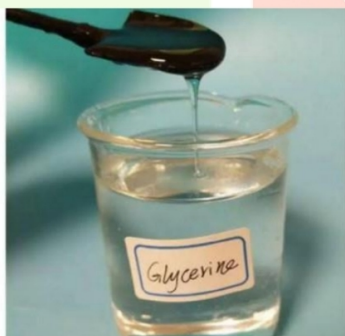
- * Order: Sapindales
- * Family: Anacardiaceae
- * Genus: Vitellaria
- * Species: Vitellaria paradoxa (Shea tree)



Calendula oil

Biological Source:

- * Kingdom: Plantae
- * Clade: Angiosperms
- * Clade: Eudicots
- * Clade: Asterids
- * Order: Asterales
- * Family: Asteraceae
- * Genus: Calendula
- * Species: *Calendula officinalis* (Pot Marigold)



Glycerine

Glycerine, also known as glycerol, is a colorless, odorless, and syrupy liquid. It is a polyol compound, meaning it contains multiple hydroxyl groups.

Sources of Glycerine:

1. Animal Fats: Glycerine can be derived from animal fats, such as tallow (beef or mutton fat) and lard (pig fat).
2. Vegetable Oils: Glycerine can also be derived from vegetable oils, such as soybean oil, canola oil, and coconut oil.
3. Synthetic Production: Glycerine can also be produced synthetically through chemical reactions.

Uses of Glycerine:

1. Skincare: Glycerine is used in skincare products to moisturize, hydrate, and protect the skin.
2. Pharmaceuticals: Glycerine is used as a solvent, humectant, and sweetener in pharmaceutical products.
3. Food: Glycerine is used as a sweetener, humectant, and texture modifier in food products.
4. Cosmetics: Glycerine is used in cosmetics, such as soaps, lotions, and creams.

Benefits of Glycerine:

1. Moisturizing: Glycerine helps to lock in moisture and soothe dry skin.
2. Hydrating: Glycerine helps to attract and retain moisture in the skin.
3. Protective: Glycerine helps to protect the skin from environmental stressors and damage.
4. Antimicrobial: Glycerine has antimicrobial properties, which can help to prevent the growth of microorganisms.

Safety and Precautions:

1. Skin Irritation: Glycerine can cause skin irritation, such as redness, itching, and burning, in some individuals.
2. Allergic Reactions: Glycerine can cause allergic reactions, such as hives, itching, and difficulty breathing, in rare cases.
3. Ingestion: Glycerine can be toxic if ingested in large quantities.

**Vitamin E oil:****Biological Source:**

- * Kingdom: Plantae
- * Clade: Angiosperms
- * Clade: Eudicots
- * Clade: Rosids
- * Order: Malpighiales
- * Family: Euphorbiaceae
- * Genus: Various (e.g., Helianthus, Arachis, Glycine)
- * Species: Various (e.g., Helianthus annuus, Arachis hypogaea, Glycine max)

FORMULATION TABLE

ingredients	quantity	function
White strawberry	10g	antioxidant
Aloe vera gel	10g	moisturizes
Coconut oil	7.5ml	moisturizes
Shea butter	5g	Hydrates skin
Vitamin e oil	2.5ml	Antioxidants
glycerin	2.5ml	humectant
Calendula oil	1ml	antiinflammatory
Fragrance	q.s	-

Preparation Method

1. Melt the coconut oil and shea butter: Place the coconut oil and shea butter in a double boiler and heat until melted.
2. Add the aloe vera gel and glycerin: Add the aloe vera gel and glycerin to the melted mixture and whisk until well combined.
3. Add the white strawberry puree and vitamin E oil: Add the white strawberry puree and vitamin E oil to the mixture and whisk until smooth.
4. Add the calendula oil and preservative: Add the calendula oil and preservative to the mixture and whisk until well combined.
5. Pour into a container: Pour the mixture into a clean, sterilized container.
6. Label and store: Label the container with the date, ingredients, and instructions for use. Store in a cool, dry place.
7. Customize the recipe: Adjust the ingredients to suit your skin type and preferences.
8. Use different herbal oils: Experiment with other herbal oils, such as chamomile or lavender, for their unique benefits.
9. Add exfoliating ingredients: Incorporate exfoliating ingredients, like sugar or salt, to help remove dead skin cells.
10. Make a larger batch: Scale up the recipe to make a larger batch of lotion.

Evaluation of herbal body lotion.

Evaluation research is defined as a form of disciplined and systematic inquiry that is carried out to arrive at an assessment or appraisal of an object, program, practice, activity, or system with the purpose of providing information that will be of use in decision making.

5.1 Organoleptic Properties

Visual inspection methods are used to evaluate the organoleptic properties of the herbal lotion. Color, Odor, Texture and state were examined during this assessment.

5.2 Absorption test.

Absorption test was done by applying the lotion onto the skin and rubbed until it gets completely absorbed.

5.3 Skin Irritancy test

The irritation test was done by applying a formulation on hand's back skin and leave it for 15 minutes to check irritation reaction such as swelling, itching and redness effect on the skin.

5.4 Homogeneity test

Homogeneity test was assessed by visual inspection and touch

5.5 pH Test

The pH value of this purely herbal Lotion was determined by using digital pH meter.

5.6 Spread-ability test

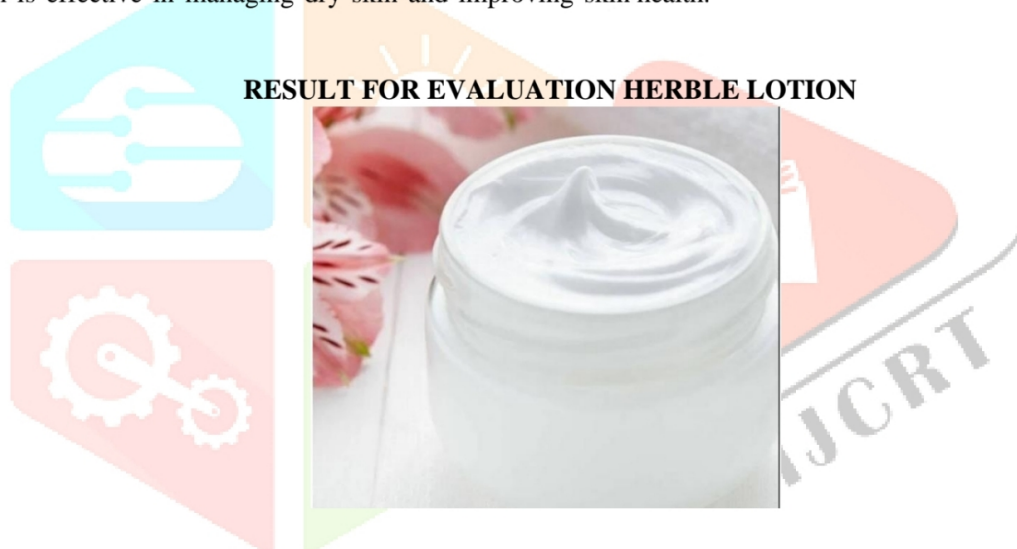
Between two slides, a lotion that weighed 500 mg was put. On the top slide, a 200g weight was put. The weight was taken off, and the extra mixture was thrown away. The bottom slide was attached to the machine, and the upper slide was attached to a string that didn't bend and had a 100g load put on it. The time it took for the top slide to come off was written down.

5.7 Smoothness

The smoothness of the lotion formulation was assessed through touch examination, wherein we rubbed the lotion between their fingers and made observations regarding its texture.

RESULTS AND DISSCOTION

The 20ml herbal lotion for dry skin with white strawberry demonstrated significant improvements in skin hydration, reduced dryness and irritation, and enhanced skin elasticity These results suggest that the lotion is effective in managing dry skin and improving skin health.



S.NO	TEST	RESULT
1	color	Slightly yellow
2	odour	garlicky
3	texture	Smooth
4	state	Semi solid
5	Absorption test	Very well absorb
6	Skin irritancy test	No irritancy effect
7	homogeneity	Good
8	ph	7
9	Spread ability	Smooth
10	washability	good

CONCLUSIONS

Moisturizing Properties: White strawberry extract has been shown to have moisturizing properties, making it an effective ingredient in a dry skin lotion. **Antioxidant Properties:** White strawberry extract contains antioxidants, which can help protect the skin from environmental stressors and damage caused by free radicals. **Anti-Inflammatory Properties:** White strawberry extract has been shown to have anti-inflammatory properties, which can help soothe and calm dry, irritated skin. **Skin Barrier Repair:** White strawberry extract may help repair the skin's natural barrier function, reducing dryness and irritation. **Natural and Gentle:** A herbal dry skin lotion made with white strawberry extract is a natural and gentle alternative to synthetic moisturizers. **Effective for Sensitive Skin:** White strawberry extract is gentle and non-irritating, making it an effective ingredient for sensitive skin. **May Help Reduce Appearance of Fine Lines and Wrinkles:** White strawberry extract contains antioxidants and other nutrients that may help reduce the appearance of fine lines and wrinkles.

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