

Preparation and Evaluation of Herbal Hair Oil

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ABSTRACT

Hair is a very important part in our body, it plays a very important role in maintaining the personality of human. The scope of our proposal is the preparation and evaluation of herbal hair oil. The aim of the project involves the preparation of herbal oil from the herbal ingredients like, coconut oil, mustard seeds, methi, cloves, amla, onion, henna leaves, hibiscus leaves, hibiscus flower, tulsi leaves, brahmi leaves, curry leaves. All the natural ingredients provide hair growth, vitamins, proteins to the hair and make dandruff-free hairs. Herbal hair oils contain very less or no side effects than the marketed hair cosmetics. The herbal hair oil is developed by the coalescence of active and pharmaceutical products. This herbal oil is safe because they are natural and easily available in large variety and quantity. Herbal hair oil is the care formulation applied for the cure of hair disorders such as baldness, greying of hairs, hair falling and dryness of hairs. The prepared herbal hair oil was evaluated by various parameters such as acid range, pH, viscosity, stability etc. to complete this herbal hair oil.

Keywords: Herbal hair oil, natural ingredients, preparation, hair growth.

I. INTRODUCTION

Hair is a filamentous biomaterial that grows from follicles found in the dermis layer of skin. Hair has a structure consisting of several layers such as, A) Cuticle, B) Cortex, C) Medulla. Hair acts as a barrier to foreign particles. Hair is the only body structure that can completely renew itself without scarring. Hair colors are mostly the result of pigments which are chemical compounds that reflect certain wavelengths of visible light.

Types Of Hairs:
Hair Oil

Hair oil is an oil-based cosmetic product intended to improve the condition of hair. Hair oils help hair growth and nourishment to the hair. Various types of oils may be included in hair oil products. Hair oil products are the preparations which are used for the cleansing, providing nourishment and removal of dandruff from the hairs. Hair oil plays an important role in protecting hair from regular wear and tear. Oiling hair regularly reduces the drying of hair. Herbal hair oil is similar to the vegetable oils commonly used are coconut oil. To avoid the strong smell of hair oils, antioxidants are added in very little quantities. Herbal cosmetics are gaining tremendous value in the market. Herbal hair oils not only increase hair growth but also remove dandruff from the hairs. Herbal hair oil provides proteins, vitamins to the hairs.

The present project was purposed to prepare and evaluate herbal hair oil containing natural ingredients such as, coconut oil, mustard seeds, methi, cloves, amla, onion, henna leaves, hibiscus leaves, hibiscus flower, tulsi leaves, brahmi leaves, curry leaves etc. All these are naturally occurring ingredients which are easily found in nature and have less side effect than the marketed hair oil products. These natural herbal products are very beneficial for the various treatments of hair such as, hair loss, highly presence of dandruff.

How To Oil Your Hairs:

1. Ensure that the oil is not heated directly. Instead, warm it over hot water.
2. For Deep moisturization apply warm oil to the scalp.
3. Gently Massage your scalp in a circular motion for 3-5 minutes.
4. Use shower cap or towel around your head to seal the moisture.
5. Rinse hair with a mild shampoo after 4-5 hours.

Ingredients and methods for the preparation of the herbal hair oil:

Various types of ingredients used as follows:

I. coconut oil :

Scientific Name	Cocos Nucifera
Family	Arecaceae (palm family)
Part of plant	Crushed copra
Role	Moisturing effect



II. Mustard Seeds:

Scientific Name	Brassica juncea
Family	Brassicaceae
Part of plant	Seeds
Role	Prevents breakage



III. Methi:

Scientific Name	Trigonella foenum graecum
Family	Fabaceae
Part of plant	Seeds
Role	Reduce dandruffs



IV. Cloves :

Scientific Name	Syzygium Aromaticum
Family	Myrtaceae
Part of plant	Seeds
Role	Prevent hair loss



V. Amla :

Scientific Name	Phyllanthus emblica linn
Family	Phyllanthaceae
Part of plant	Fruit
Role	Promotes hair Growth



VI. Onion

Scientific Name	Allium Ceba
Family	Amarylidaceae
Part of plant	Fruit
Role	Prevents Baldness



VII. Henna Leaves :

Scientific Name	Lawsonia inermis
Family	Lythraceae
Part of plant	Leaves
Role	Promotes hair growth



VIII. Hibiscus Flowers :

Scientific Name	Hibiscus rosa sinensis
Family	Mallows
Part of plant	Flower
Role	Stimulates Hair Growth



IX. Tulsi Leaves:

Scientific Name	Ocimum Tenuiflorum
Family	Mints
Part of plant	Leaves
Role	Prevents Premature Ageing



X. Brahmi Leaves:

Scientific Name	Bacopa Monnieri
Family	Scrophulariaceae
Part of plant	Leaves
Role	Forming protective layer



XI. Curry Leaves:

Scientific Name	Murraya koenigii
Family	Rutaceae
Part of plant	Leaves
Role	Promotes hair Growth



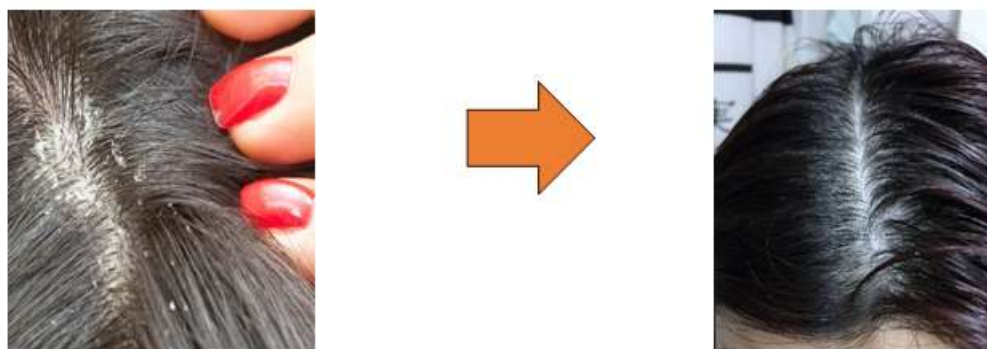
Preparation :

INGREDIENTS	QUANTITY
Coconut Oil	60 %
Mustard seeds	8 %
Methi	7 %
Cloves	4 %
Grated Onion	2 %
Henna Leaves	1 %
Hibiscus Flower	4 %
Tulsi Leaves	4 %
Brahmi Leaves	2 %
Curry Leaves	3 %
Amla	5 %

Procedure For Preparation Of Herbal Hair Oil:

1. Weigh required quantity of coconut oil in a clean flask and after heat on the medium flame.
2. After heating, add required quantity of mustard seeds, by adding cloves, amla, grated onion, with stirring continuously.
3. After mixing the above solution add required quantity of henna leaves, hibiscus flower until the red colour appears.
4. After red colour appears add required quantity of tulsi leaves, brahmi leaves, curry leaves and stir it properly.
5. Boil the above solution for 30 min dark colour obtained.
6. Filter the solution properly and cool them
7. Store the solution in air tight jar and our herbal hair oil is formulated.

**Evaluation Parameters Of Herbal Hair Oil:
 Before After**



Parameter	Result
Physical Apperance	Dark reddish
Odour	Good
PH	7.1
Saponification Value	20.42
Skin Irritation test	No Irritation
Gravity	0.86
Viscosity	28
Sensitivity Test	Non Sensitive

II. CONCLUSION:

Complete the prepared herbal hair oil provides a nourishment to the hairs such as, proteins, minerals, and vitamins. Herbal hair oil not only helps to increase hair growth but also increase the lifetime of hairs. It contains various types of natural ingredients that maintains hair growth and removes dandruffs from the hairs. Herbal hair oil is used to prevents hair loss and hair dry. It is made up different ingredients which promotes hair

growth, stimulation of hair growth and the prevents baldness of the hair. The preparation was proved to be safe for body use, because values of evaluation are similar to the normal values of hair oil. As a result it can be concluded that the herbal hair oil suitable for human body and it is good in nature.

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