



Formulation And Evaluation Of Herbal Hair Oil

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ABSTRACT

Natural remedies are more acceptable in the belief that they are safer with fewer side effect than synthetic one. Herbal hair oil is one of the most well recognized for hair treatment. Herbal oil not only moisturizes scalp but also reserves dry scalp and dry hair condition. It provide various essential nutrients required to maintain function of sebaceous glands and promotes natural hair growth.

Key words: Hair oil, Herbs, Cosmetics, Formulation & Evaluation

INTRODUCTION

Hair is one of the vital part of our body and it influences the overall appearance of the person. Hair care product are defined as those formulation which are used for modifying the texture of hair. Changing the color , giving life to the stressed hair, providing nourishment and giving the healthy appearance to the hair.

Herbal cosmetic are in high demand due to the increasing interest of mankind towards them because they are more effective with nil or less side effect easily available ingredients etc. Hair care cosmetic are now added with herbs and they are well recognized composed with synthetic one.^[1]

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The present work was aimed to prepare evaluate herbal hair oil containing herbs like curry leaves, black cumin, hibiscus, fenugreek , coconut oil , rosemary oil .All these herbs have well known traditional potential in the treatment of hair care.

Table No 1 - List of ingredients and their uses

Sr. no	Common name	Figure	Uses
1.	Fenugreek		Antidandruff / promote hair growth ^[3]
2.	Black cumin		Prevent graying/ antibacterial ^[4]
3.	Curry leaves		Repair hair damage/ reduces hair loss
4.	Hibiscus		Promote hair growth / provide nutrition and shin
5.	Tulsi leaves		Stimulate the hair growth nourishment / reduce itchiness
6.	Coconut oil		Vehicle / relieve skin irritation

			
7.	Rosemary oil		Stimulate hair growth

MATERIAL AND METHODS

All the plant material such as fenugreek seeds, black cumin seeds, curry leaves, hibiscus, tulsi coconut oil, rosemary oil were purchased from local market. The plant part were crushed in mixer and make the powder. The various powder drug were subjected to pharmacognostical studies.

Formulation Of Herbal Hair Oil^[5]

Different ingredients used in the formulation of herbal hair oil are presented in table 2. All the dried herbs such as fenugreek seed, black cumin, curry leaves, hibiscus, tulsi were weighed and grind in mixer and mix with coconut oil. Now the content were boil for 15min and filtered through muslin cloth. To the filtrate coconut oil and rosemary oil added to make up the volume (100ml).



Fig1. Powder of different constituents

Fig2. Prepared oil

Fig3. Formulated hair oil

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Table No 2. Ingredients Used In Formulation Herbal Hair Oil

Sr.no	Constituents	Scientific name	Family name	Quantity in(gm)
1.	Fenugreek seed	Trigonella foenum- graecum	Fabaceae	10
2.	Black cumin	Nigella sativa	Ranunculaceae	10
3.	Curry leaves	Murraya koenigii	Rutaceae	8
4.	Hibiscus	Hibiscus rosa- sinensis	Malvaceae	5
5.	Tulsi	Osmium tenuiflorum	Lamiaceae	7
6.	Coconut oil	Cocos nucifera	Arecaceae	40
7.	Rosemary oil	Salvia rosmarinus	Lamiaceae	20

EVALUATION OF HERBAL HAIR OIL

The prepared oil were subjected to physical and biological evaluation.

Physical evaluation

Physical evaluation include the specific gravity, PH, Viscosity

Specific Gravity: Take the specific gravity bottle rinsed it with distilled water dry it in oven for 15 min, cool , closed it with cap and weigh it(a). Now fill the same specific gravity bottle with the sample and closed it with cap and again it weigh (b). Determine the weight of sample per milliliter by subtracting the weight (a-b).

Viscosity: Viscosity were determined by the oswal's viscometer.

PH: PH was determined by the PH meter.

Sensitivity Test: The prepared herbal hair oil was applied on 1cm skin of hand and exposed to sunlight 4-5 min.

Skin irritation Test: The back side skin of rats was denuded with the help of electric shaver followed by hair remover cream. The denuded areawas kept under visual observation for any irritation or erythema foe next 24 hours, and same observation was performed after applying test sample on denuded area, except time which was extended up to 48 hours.

RESULT AND DISCUSSION

The herbal hair oil are used to treat the various hair related problems. The oil was prepared with different kinds of herbs which is mention in table no.1 all the herbs which have specific role in the formulation like antidandruff , antibacterial, hair growth stimulant, this all properties which help to regrowth and prevent the graying of hair. The herbal hair oil not only moisturized the scalp but also provide the numerous essential nutrients required to maintain normal function of sebaceous gland and promote natural hair growth. The various parameter like specific gravity, PH, sensitivity test , viscosity, skin irritation test was evaluated in table no.3

Table no. 3. Evaluation of herbal hair oil

Sr.no	Parameter	Inference
1.	Color	Greenish black
2.	Odor	Characteristics
3.	PH	6-7
4.	Viscosity	0.9224poise
5.	Specific gravity	1.0823
6.	Sensitivity test	No irritation
7.	Skin irritation test	No irritation
8.	Grittiness	Smooth

CONCLUSION

Natural remedies are more acceptable in the belief that they are safer with fewer side effect than the synthetic one. Herbal formulation have growing demand in the world market. The hair oil is medicinally important in treatment of hair related problems. The various constituents of herbal extract which may help to reduction the hair fall and regrowth the hairs. All these drugs not only show remarkable activity but are also devoid of potential side effect as compared to synthetic drugs. The oil nourish the hair after applying it act as natural hair nourisher. Due to addition of tulsi leaves it act as antidandruff hair tonic. Hibiscus helps in hair softening resulting healthy hair growth. Another important ingredients are black cumin and curry leaves. The black cumin which act as preventing graying of hairs and curry leaves which reduces the hair lose and repair damage hair. The prepared herbal hair oil was evaluated by using evaluation test which shows satisfactory result. It was concluded that formulated herbal hair oil having good hair nourishing property.

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