

Formulation and Evaluation of Herbal Hair Oil Using Sesame Hair Oil

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Abstract: Herbs are crude plant materials that may be an entire fragment or powdered. Hair fall problem occurs in both male and female. The common problem is falling hair. The popularity of natural products increasing day by day due to this fact. That they are comparatively safe less toxic and have fewer side effects. The present work aimed to formulate herbal oil for general purposes using various herbs.

Keywords: Herbal, Massage oil, Sesame oil, Cosmetics

I. INTRODUCTION

For the preparation of herbal dosage form non-toxic pharmacological active ingredients are used. Cosmetics are any substances used to clean, improve or change the complication of skin, hair, nails, or teeth. Cosmetics include skin care (moisture nourishing smoothing agent, sun cream, etc.), Hair care (hair colorants, hair oil, conditioner, serum), and others (perfumes).

Hair is one of the vital parts of the body considered to be a protective appendage on the body. The hair oil are applied by the topically to scalp and hair. Sesame oil is good for improving skin health and good for massage.

II. MATERIAL AND METHODS

2.1 Collection of Plant Part

In this formulation of hair oil using fresh herbs powder for oil were collected viz, Amla, Hibiscus, Sesame Oil, Fenugreek Powder, Neem, Bottle Gourd Juice, Tulsi, Curry, Henna Powder, Bringhraj, etc.

2.2 Formulation of Herbal Hair Oil

The various ingredients used in the formulation of hair oil are presented in the table. All herbs are accurately weighed and dried and fresh herbs such as Bhringraj powder, hibiscus powder, curry leaves powder, Tulsi leaves powder, neem powder, bottle gourd juice, sesame oil, henna powder, fenugreek seeds powder, Amla powder.

All fresh juice is boiled and filtered through muslin cloth and cooled. To this filtrate, sesame oil was added to make up the volume (100ml), boiled, and cooled. It is stored in an amber color container.

The ingredients used in the

Table 1

Sr. No.	Ingredients	family	Quantity (%)
1)	Amla powder	Phyllanthaceae	10%
2)	Hibiscus powder	Malvaceae	8%
3)	Sesame oil	Pedaliaceae	50%
4)	Fenugreek Powder	Legumes	8%
5)	Neem powder	Meliaceae	15%
6)	Bottle gourd juice	Cucurbitaceae	3%
7)	Tulsi Leaves Powder	Lamiaceae	2%
8)	Curry Powder	Rutaceae	1%

9)	Henna Powder	Lythraceae	1%
10)	Bhringraj powder	Asteraceae	2%

2.3 Evaluation of Herbal Hair Oil

- **Sensitivity Test:** The prepared hair oil was applied on 1cm of the skin of the hand and exposed to sunlight for 4-5 min.
- **pH:** The pH of hair oil was determined using a pH meter.
- **Viscosity:** The viscosity was determined by using Oswald's viscosity.

Table 2

Sr. No.	Parameter	Inference
1)	Viscosity	0.93
2)	PH	6.8
3)	Irritation Test	No Irritation

2.4 Role of Ingredients

Ingredients	Importance
Amla Powder	Stimulate Hair Growth
Hibiscus Powder	Stop Hair Loss
Sesame oil	Good For Massage
Fenugreek Powder	Hair Growth
Neem powder	Reduce Dandruff
Bottle gourd juice	Cooling Effect for your Scalp
Tulsi powder	strengthening the roots
Curry Powder	Treat Damaged Hair
Henna Powder	Helps Reduce Premature Greying of Hair
Bhringraj Powder	Increase Blood Circulation to Scalp & roots

2.5 Benefits of Hair Oil

- It is used to treat hair problems such are greying and hair fall.
- It increases blood circulation and strengthens the hair.
- It provides a cooling effect for your

Side Effects

- It can irritate your scalp.

III. RESULT AND CONCLUSION

Herbal hair oil provides numerous essential nutrients required to maintain the normal function of the Use of bioactive ingredients in cosmetic formulation valuable effect on body features and provides nutrients. Using sesame oil is good for improving skin health and hair massage.

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