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REVIEW ON HERBAL HAIR OIL

1Rohini Vijaykumar Mane, 2Trupti Shaha, 3Vasundhara Satishrao Raje

1Student, 2Professor, 3Student

1Pdea Shankarrao ursal college of pharmaceutical sciences and research centre,

2Pdea Shankarrao ursal college of pharmaceutical sciences and research centre,

3Pdea Shankarrao ursal college of pharmaceutical sciences and research centre

Abstract :

Herbal cosmetics have gained popularity due to their perceived safety and effectiveness in addressing various beauty and hair care concerns. These herbal formulations are often preferred over synthetic cosmetics because they tend to have fewer side effects. (1) In the context of hair care, herbal hair oil is one such product that is believed to offer numerous benefits for maintaining healthy hair and scalp. Some of the ingredients mentioned in your statement, such as Amla, Hibiscus, Bhringraj, Jatamansi, Raw garlic, Muskmelon seeds, Moringa, Curry leaves, Guava leaves, Papaya leaves, Methi (Fenugreek), Mimosa Pudica, and Spring onion, are commonly used in herbal hair oils and are believed to provide various benefits for hair health. (2)

Key words :

- 1) Hair Oil
- 2) Herbs
- 3) Formulation
- 4) Cosmetics(4)

Introduction :

Hair has several useful characteristics in the animal global. It forms a defensive cushion around the pinnacle & other sensitive elements of the frame. (1) Hair oils are formulated to present the hair properly shine & gloss this is obtained by making use of a thin continuous movie of an oily material on the hair surface without causing stickiness. (2) Many herbs are used in hair oil are Amla, Almond, Hibiscus, and so on. Hair oil has extra favoured as they promote hair growth. enhance beauty of hair & prevent hair fall. Hair oil are hair care products. Hair care merchandise is defined as the formulations which might be used for the reason of cleaning, editing the hair texture, providing nourishment to the hair, and retaining the healthful appearance of hair. (3) Hair oil are hair care components implemented to the hair for the treatment of hair disorder which include baldness, greying of hair, hair fall, dry hair and also allows in providing nourishment to hair. herbal cosmetics are excessive in demand because of increasing hobby of mankind closer to them additionally natural cosmetics are more effective with negligible facet consequences and components are without problems to be had. natural hair oil is a critical part of natural cosmetics. natural hair oil is greater desired and used in lots of aliments of hair.

oil which contain herbal drugs are known as hair tonic. Herbal hair oil provides a number of essential nutrient which are important to maintain the normal function of sebaceous gland and promote natural growth of hair. (4) These are one of the most well recognized product for the treatment of hair. Hair oil are hair care products. Hair care products are defined as the formulations which are used for the purpose of cleansing, modifying the hair texture, providing nourishment to the hair and maintaining the healthy appearance of hair. Hair oil are hair care formulation applied to the hair for the treatment of hair disorder such as baldness, greying of hair, hair fall, dry hair and also helps in providing nourishment to hair. Herbal cosmetics are high in demand due to increasing interest of mankind towards them also herbal cosmetics are more effective with

negligible side effects and ingredients are easily available Herbal hair oil is an essential part of herbal cosmetics. Herbal hair oil is more preferred and used in many ailments of hair. They not only promote hair growth but also provide necessary moisture to the scalp rendering in beautiful (5)

Objectives :

- 1) Herbal Goodness of hair.
- 2) Manage frizzy hair.
- 3) Nourish the skin, nerves and can be used as an immunity booster.
- 4) Keep the hair moisturized.(3)
- 5) Strengthen the hair and prevent dandruff caused by bacteria.(4)

Methods And Preparation Of Hair Oil :**1. Weighing and Preparing Ingredients:**

- Accurately weigh the herbs and herbal powder, including onion and curry leaves.

2. Boiling Process:

- Place the weighed herbs and herbal powder in a mixture of 100ml of coconut oil and 50ml of purified water.

- Heat the mixture at a low flame while continuously stirring.

3. Removal of Water:

- Continue to heat and stir the mixture until the water content evaporates or is removed.(1)

4. Filtering the Mixture:

- After boiling, filter the mixture through a cloth or muslin to separate the oil from any solid particles. This step separates the infused oil from the solid herbs.

5. Bottling the Oil:

- Collect the filtered oil, which now contains the herbal infusion.
- Store the infused oil in an amber-coloured bottle. Amber bottles are often used to protect the contents from light, which can degrade certain compounds in the oil.

6. Adding Perfume:

- Optionally, a small amount of perfume can be added to the herbal hair oil for fragrance.(3)

Evaluation Parameters:**1. Organoleptic Properties:**

- Color: This is a visual assessment of the hair oil's color. It is examined with the naked eye to ensure that it matches the expected color and appearance.

- Sensitivity: The hair oil is applied to the skin, and the skin is exposed to sunlight for 5 minutes. This test checks for any skin irritation or adverse reactions caused by the product.

- Grittiness: The hair oil is rubbed onto the skin, and any gritty or rough texture is observed. This helps assess the texture and feel of the product.

- Sedimentation: The entire hair oil preparation is left undisturbed overnight, and any sediment or particles that settle at the bottom are checked. This test helps identify any unwanted settling in the product.

2. pH Determination:

- pH refers to the acidity or alkalinity of a substance. In this test, a pH paper is dipped into the formulated hair oil to assess its pH level.

- The change in color of the pH paper when dipped in the hair oil indicates the pH level. Different pH levels may be suitable for different hair and skin types, and it's important to ensure that the product falls within an acceptable pH range.(1)

3. Viscosity Measurement:

- Method: The viscosity of the herbal hair oil is determined using Ostwald's Viscometer at room temperature.

- Equation: Viscosity (η_2) is calculated using the formula: $(\eta_1 \times f_2 \times t_2) / (f_1 \times t_1)$

- Parameters:

- η_1 = Viscosity of water

- f_2 = Density of the sample (herbal hair oil)

- t_2 = Mean time of oil flow from point A to B

- f_1 = Density of water

- t_1 = Mean time of water flow from point A to B

4. Acid Value:

- Method: 10 ml of the herbal hair oil is mixed with 25 ml of ethanol and 25 ml of ether. Phenolphthalein is added as an indicator, and the mixture is titrated with a 0.1M Potassium hydroxide (KOH) solution.

- Parameters:

- n = Number of ml of 0.1M KOH used

- w = Weight of the oil

5. Specific Gravity:

- Method: The specific gravity of the prepared herbal hair oil is determined using a specific gravity bottle.

- Specific gravity is a measure of the density of the substance compared to the density of water.

6. Stability Study:

- Method: A stability study is performed by keeping the prepared herbal hair oil in a closed container in a cool and dry place.(5)

Conclusion:

Herbal oils formulated for hair care indeed offer a wealth of nourishing properties. These oils are rich in vitamins, minerals, and essential oils that can be highly beneficial for the health and vitality of hair. When the finished products are within specified quality limits, they can be effective in preventing damage and hair loss caused by various factors, including environmental pollution

and dryness. These herbal oils provide a natural and safer alternative to products that may contain potentially hazardous chemicals. Overall, they contribute to the maintenance and rejuvenation of healthy and lustrous hair, promoting a more natural and holistic approach to hair care.(2)

References:

1 RR Shah, SA Mohite, NR Patel Asian Journal of Pharmaceutical Research, 2018•indianjournals.com

2 Suman, Kumar Gaurav, Bhupendra Kumar, and Sayantan Mukopadaya. "Herbal hair oil: A review."

3 Jadhav SS, Jadhav KS, Dalvi YV. Formulation and evaluation of herbal liquid shampoo. Research Journal of Topical and Cosmetic Sciences. 2018;9(2):44-8.

4 S Khandelwal, CK Dubey, A Nagar, MK Gupta - 2022 - cpijr.com

5 Banerjee, Pooja S., Megha Sharma, and Rajesh Kumar Nema. "Preparation, evaluation and hair growth stimulating activity of herbal hair oil." *J Chem Pharm Res* 1, no. 1 (2009): 261-7.