



Formulation And Evaluation Of Herbal Hair Conditioner From Custard Apple And Curry Leaves

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ABSTRACT

Modern medicines has substantially improved thanks to the chemistry of natural products. A nutritionally dense fruit known as Custard apple (*Annona squamosa*) is primarily prized for its flavor. The present study include a formulate an herbal conditioner for an extra smoothening of hairs by using custard extract to evaluate phytochemical, photochemical properties screening properties. The main purpose is to reduce friction between strand of hairs to allow easier brushing or combing. It is also evaluated for cleaning action, stability studies and dirt dispersion test. It also has many other activities like it has known ingredient that kills head lice. In present day, where every waste material is utilized for human use, the oil extracted from custard apple has, like, many more uses for various purpose. Custard apple seed oil has variety of applications in cosmetic industries. It is used for better hair growth, it gives strength and provides moisturized hairs. It also prevents premature graying of hairs. It is also used as, like, a base for some of the aromatherapy compounds. It naturally, like, heals the skin infections. It delays ageing and keeps, kind of, skin youthful and also it is, like, good for pimple prone skin. The herbal extract or custard apple powder, curry leaves extract, aloe Vera. Custard apple powder is used to, kind of, inhibit scalp inflammation, preventing hair fall and it is used for smoothening and straightening of hairs. After preparing, like, the, you know, formulation some physicochemical properties, such as PH, kind of, foam formation, viscosity, conditioning and wet ability are available evaluated.

Key Words: - Custard apple powder, Herbal conditioner, curry leaves extract, aloe Vera

Introduction:

Custard apples are mainly forest produced and also grown widely in India. Known with several local names such as Sitaphal, Hanuman Phal etc., its scientific name is *Annona Squamosa*. Sitaphal is believed to, kind of, have approved in the WEAST INDIES, like, although it was, kind of, first introduced to Mexico through central America. Later, Peru and Brazil began cultivating it, like, although it is, kind of, now more frequently grown in the Bahamas. Herbal products has gained, like, increased popularity in the market last decade. However it is used by, kind of, 20-30% of population. Herbal product are mixture of organic chemicals that may come from, kind of, any raw processed part of plant , including leaves, steam, bark, seed, fruits etc. Herbal preparation is, like, finished herbal products that contains part of plant and other plant part material as, kind of, active ingredient. In the the presence scenario, it, like, seems improbable that herbal hair conditioner although, like, better in performance and safer than synthetic. Once will be popular, like, with the consumer. A more radical approach popularizing, like, herbal conditioner would be change to consumers expectation from a synthetic conditioner. With emphasis on, like, efficacy, strategy and, kind of, safety. Formulators must play active role in educating the consumer about, to, kind of, potential harmful effect of synthetic, like, detergents and other chemical additives present in conditioner. There are strong need to, like, change the consumer perception of good conditioner and the, you know, onus lies with the formulators conditioner which are applied to hair after shampooing are intended, kind of, to promote the property such as:

- Smooth easy combing in wet and dry hairs.
- A reduction in static electricity caused combing and brushing of hair, like, results in, kind of, flyaway hairs.
- The enhance of gloss and luster of hairs.
- **Advantages of herbal conditioner:**
 - 1) Gives hair shine and softness.
 - 2) Reduce split ends.
 - 3) Improve manageability.
 - 4) Prevent hair breakage.
 - 5) Protects hair from chemical and mechanical damage.
- **Disadvantages of other conditioner available in market:**
 - 1) Harmful to hair and generally toxic.
 - 2) Causes eye irritation.
 - 3) Other conditioners mainly contain Sodium Lauryl Sulfate and Ammonium Lauryl Sulfate.
 - 4) They dry out the hair shaft and cause split ends and frizz

Formula:-

Sr No.	Plant (Ingredients)	Quantity
1	Custard Apple Extract	12.3 gm
2	Curry Leaves Extract	9.9 gm
3	Rose Water	Quantity Sufficient
4	Aloe Vera	7.8 gm

Formulation of Conditioner:

To formulate an herbal conditioner by mixing of two phases are prepared such as aqueous and oil phase.

Part A (Aqueous phase):

Sr No.	Ingredient	Quantity	Role
1.	Custard Apple Powder (Plant Extract)	12.3 gm	Medicinal Agent
2.	Curry Leaves	9.9 gm	Moisturizing Agent
3.	Aloe Vera Gel	7.8 gm	Conditioning Agent
4.	Rose Water	Quantity Sufficient	Perfume`

Part B (Oil Phase):

Sr.No	Ingredients	Quantity	Role
1.	Coconut Oil	6.4 ml	Softening Agent
2.	Almond Oil	4.8 ml	Soothing Agent
3.	Castor oil	3.1 ml	Enrichment of Scalp
4.	Methyl Paraben	Quantity Sufficient	Preservative

Both the aq. and the oil phases were mixed into each other with continuous stirring by using mechanical stirrer. Both the phases are mixed properly and poured into the suitable labeled container.

Evaluation Parameters:

Sr.no.	Evaluation Tests	Result
1.	Organoleptic Test	Colour - Brown Odour - Aromatic Texture - Brown
2.	Irritation Test	No Irritation Occurs
3.	pH Test	pH value - 6
4.	Foam Stability Test	Stable

5.	Thermal Stability	Stable
6.	Rancidity Test	Passed Rancidity Test

Conclusion:

The conditioner has adequate capacity for hair conditioning thickness and rheological properties as playing vital part in conditioner. It can impact numerous of the item traits such as rack, its excellence, its transparency, easy expulsion from its bundling, its development and its consistency.

Flavonoids are imperative for expanding blood cells and they offer assistance the blood circulate to all body parts counting scalp In this study it was decided that, the conditioner is more consolation for hair combing and smooth and glossy hairs and need of power in hair Based on these and other thinks about it showed up that the utilize of home grown conditioner are safer and more beneficial for smooth and shiny hair.

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