



## Review On Soap Using Herbal Resources

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### ABSTRACT :

A natural substitute for traditional soap, herbal soap is frequently created with plant-based components and botanical herbs. Herbal soap is becoming more and more popular because of its eco-friendly and skin-friendly qualities. These soaps are especially good for people with sensitive skin because they don't include harsh chemicals or artificial fragrances. They are also environmentally beneficial due to their use of natural ingredients, which appeals to people looking for a gentler and more sustainable personal care solution. Herbal soap is also environmentally beneficial. Natural, environmentally friendly, and biodegradable components are used in its creation. Because it is made without using any animal products or byproducts, herbal soap is cruelty-free, making it a morally and compassionate option for ethical shoppers.

Reetha, neem, shikakai, and tulsi are among the constituents of herbal soap; neem leaf and seed were found to be beneficial against certain dermatophytes. Tulsi exhibits antiviral properties, whereas Shikaki and Reetha function as detergents with cleansing and foaming properties.

### INTRODUCTION :

The Greek term "kosm tikos," which implies "having the control, orchestrate, and expertise in beautifying," is where the word "corrective" started. The history of makeup is a nonstop account that follows their improvement all through human history. The Drugs and Makeup Act characterizes beauty care products as things that are implied to be rubbed, poured, sprinkled, or showered on, presented into, or connected in any other way to the human body or any parcel of it in arrange to cleanse, decorate, advance engaging quality, or alter appearance.

The cosmetic is not covered by the drug license preview. Herbal cosmetics are products that contain phytochemicals from a range of botanical sources that affect skin function and supply nutrients for healthy skin or hair. Herbal cosmetics 3-5 are natural herbs and their products used for their aromatic properties in cosmetic preparation. According to the Drug and Cosmetics Act, essential oils and [herbs used in cosmetics cannot be claimed to have](#) any therapeutic properties or to permeate past the skin's outer layers.

Obtained the antibacterial, antifungal, and anti-inflammatory properties of this herbal soap (and the data are derived from this review article) obtained from natural plant ingredients such as neem, tulsi, shikakai, and reetha. Neem is the therapeutic ingredient that constitutes the basic part in this soap. Neem leaf and its extract possess anti-inflammatory, anti-ulcer, antimalarial, antifungal, antibacterial, antioxidant, and anticarcinogenic properties. The most therapeutic value exists in tulsi. Tulsi acts in diabetics by lowering the levels of blood sugars. Juice of its leaves helps for cold fever related cough and bronchitis. Because it reduces stress and levels of exhaustion, has anti-inflammatory, and antifungal properties, Tulsi is a major ingredient of this herbal soap.

In the ancient Ayurvedic texts like Charaka Samhitha and Varnya Kashaya, herbs for obtaining glowing skin have been mentioned. The herbs used were chandana, nagkeshara, padmak, khus, yashtimadhu, manjistha, sariva, payasya, seta (sweta durva), and lata (shyama durva). Ayurvedic herbs purify the blood and eliminate the vitiated doshas vata, pitta, and kapha who are responsible mainly for the causation of diseases like skin problems.

Once we know anatomy, physiology, and basic functions of skin and its appendages along with natural or herbal care and remedies for problems with them, importance of herbal cosmetics in life would be enhanced. The ability to heal itself from the very roots makes skin continue to do all its natural works. Acne and oily skin are two skin problems at youth while dry skin is an issue in advanced age. So understanding how our skin works and the right care of skin is the only way to have better skin. The skin belongs to the four classes, and to maintain the functional nature of each class, the right ingredients must be used.

#### Basic Skin Care:

The requirements for the basic skin care

- Cleanser: It helps to remove dirt, dust, and dead cells clogging the skin. Common cleaners include vegetable oils, like coconut, sesame, and palm oil.
- Toners: The toners will give the skin the flexibility and protection it needs to fight against the environmental pollutants and a number of chemicals that float in the air. Some of the plants that are used as toners include: witch hazel, geranium, sage, lemon, ivy burdock and essential oils.
- Moisturizing: This process softens and enhances the suppleness of the skin. If you moisturize you will look healthier and will be less likely to age. onic o0904587ljn145g kernels, gli16 oil, phosphatidylserine, phosphatidylethanolamine, phosphatidylinositol, phosphatidic acid and sphingomyelin.

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**Contents of the Soap:****Neem**

Botanical name: Azadiractaindica

Part typically used: Leaves

Color: Green

Constituents:- Flavonoids, Alkaloids, ,Nimbin, Nimbidin, Terpenoids, Steroids, , Nimbectin, Quercursertin are present in Neem Leaf

**TULSI**

Botanical name: ocimum tenuiflorum

Common name; holy basil

Part of typical used: leaves

Color: Green

Chemical constituents: eugenol, terpens, germacrene

**RITHA**

Botanical name:

sapindus mukorossi

Part typical used :seed

Colour:Brown

Uses :Detergent ,surfactant



**SHIKEKAI**

Biological name:- Acacia concinna

Common name:- shikekai

Chemical Constituents:- Spinasterone ,  
Acacic acid

Part Typical used:- Fruits pods

Colour:- Brown

Uses:- Antidandruff detergent.

**Some herbs used in herbal soap production include:**

Lavender: This is one of the most widely applied herbs in the formulation of herbal soap, and it is well known to have the calamine and soothing influences.

Chamomile: It is mostly included in herbal soaps, primarily because of anti-inflammatory effects to soothe sensitive and angry skin.

Peppermint: This is a fresh and reviving herb, and peppermint is a well-known supporter in the maintenance of skin health and circulation.

- Eucalyptus oil: This is one of the natural antiseptic and antimicrobial agent that can promote healing and solve skin issues caused by acne and eczema. Eucalyptus oil is yielded through steam distillation.
- Sage: Because of its inbuilt antibacterial property, Sage is good to use on skin that is excessively oily or causing acne.
- Yarrow: Due to being an anti-inflammation with antibacterial compound, yarrow is good on sensitive or inflammable skin.
- Comfrey — Since it contains allantoin, comfrey is one of the best herbs for soothing and speeding healing of the skin.
- Vanilla Beans: vanillin is a bioactive substance found in vanilla beans. It also hydrates the skin and calms it down.
- • Orange peel: It possesses antioxidant properties and a refreshing aroma.
- Sandalwood: It has a calming effect and anti-inflammatory properties.
- Germanium: Helps balance the oiliness of the skin, It has a calming effect
- Thyme: It helps lower acne and has antibacterial properties.
- Basil: Good to combat inflammation as well as skin calming. Its antimicrobial activity involves:

**Preparation of Herbal Soap:**

- Obtaining the Materials: Quality soap base will be needed. In this case, one can use shea butter or goat milk. The herbal materials to be gathered include essential oils, dried herbs, botanical powders, among others.
- Melt the soap base: Cut the soap base into small pieces and put it in a microwave-safe container or double boiler to melt it. Once it melts, stir syrup until blended and smooth.
- Adding the herbs: Remove the burned soap base from the flame once melted and whisk in the herb ingredients.
- • When adding dried herbs, essential oils, or powders, stir them in gradually, as many times as necessary, making sure to distribute them evenly throughout the soap.
- • Pouring into Molds: Once the herbs are added, pour the soap mixture into the molds. Plastic containers or silicone molds are sprayed with cook spray. Allow the soap to cool and harden for a few hours, or overnight.
- Curing and storing soap: Once soap has cooled down and solidified, take it out of the mold cut them into the desired sizes and shapes. Store soap in a dry cool place until using.

**Benefits:**

- Mild and gentle
- Hydrating
- Calming and soothing
  - Benefits of aromatherapy
- Detoxification and cleansing
- Anti-aging properties
- Environmentally friendly

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**Conclusion:**

Due to its many advantages, herbal soap is becoming more and more popular as a natural and environmentally responsible substitute for regular soap. It is perfect for sensitive skin because it is constructed of plant-based components and herbs that offer natural smells and healing qualities. Herbal soap's many herbs can improve aromatherapy's effects, calm and cure the skin, and offer additional health advantages like lowering tension and anxiety.

Melting a premium soap base, adding herbal ingredients, pouring into molds, and letting it cool and solidify are the easy steps involved in making herbal soap. The end product is a mild, nontoxic, and potent cleanser that can nourish skin, enhance complexion, and advance general health.

For anyone looking for a healthy, natural, and eco-friendly approach to take care of their skin, herbal soap is a fantastic option. From its gentle and efficient cleaning capabilities to its natural scents and therapeutic qualities, it is an excellent substitute. There are numerous justifications for switching to herbal soap.

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**REFERENCES:**

1. Hughes, G.R., *J.Soc. Cosmet. Chem.*, 1959, X, 159.
2. Encyclopaedia. Britannica, 14th Edn; 1929.
3. Kapoor. V.P., *Herbal Cosmetics for Skin and Hair Care*, Natural Product Radiance, p 306-314.
4. Harry R.G, In: *Modern Cosmeticology*, Vol 1(Revision Eds), Wilkinson J.B., Clark.R., Green E.,Mclaughlin T.P., 1962, Leonard Hill (Books) Ltd, London.
5. Sankholkar. D.S, *Current Regulations and Suggested Way Forward*, The Pharma Times, Vol.41, No.8,2009, p 30-31
6. Kareru, P. G., Keriko, J. M., Kenji, G. M., Thiong'o, G. T., Gachanja, A. N., and Mukiiira, H. N. (2010). Antimicrobial activities of skincare preparations from plant extracts. *African Journal of Traditional, Complementary and Alternative Medicines*, 7(3).
7. Bandyopadhyay, U., Biswas, K., Sengupta, A., Moitra, P., Dutta, P., Sarkar, D., ... and Banerjee, R. K. (2004). Clinical studies on the effect of Neem (*Azadirachta indica*) bark extract on gastric secretion and gastroduodenal ulcer. *Life sciences*, 75(24), 2867-2878.
8. Sharma, J., Gairola, S., Sharma, Y. P., and Gaur, R. D. (2014). Ethnomedicinal plants used to treat skin diseases by Tharu community of district Udham Singh Nagar, Uttarakhand, India. *Journal of ethnopharmacology*, 158, 140-206.
9. Kapoor, V. P. (2005). *Herbal cosmetics for skin and hair care*.4(4). 306-315.
10. Charaka Samhita, *Handbook on Ayurveda*, Editor, Gabriel Van Loon, 2002-2003 Vol 1.
11. Verma RK. Taxonomical study of *Acacia nilotica* (linn) wild (a dye yielding plant) in Churu district. *World J Pharm Res*. 2017; 6(10):1347-54. doi: 10.20959/wjpr201710-9408.
12. Klimek Szczykutowicz M, Szopa A, Ekiert H. Citrus limon (Lemon) phenomenon-a review of the chemistry, pharmacological properties, applications in the modern pharmaceutical, food, and cosmetics industries, and biotechnological studies. *Plants (Basel)*. 2020; 9(1):119. doi: 10.3390/plants9010119, PMID 31963590. ]
13. Formulation and Evaluation of Herbal Soap Patel Anu\*, Patel Anar, Patel Jahanvi and Bhavsar Hemal, *IJSRR* 2022, 11(2), 42-72, ISSN: 2279-0543
14. Sumit K, Vivek S, Sujata S, Ashish B. Herbal cosmetics: used for skin and hair. *Inventi J* 2012; 3:1-7.
15. Varsha M Chaudhari Department of Microbiology, Studies on antimicrobial activity of antiseptic soaps and herbal soaps against selected human pathogens 5(6): 201-204 2016.