

TECHNICAL DATA SHEET

Product Name: Witch Hazel Powder 10:1

INCI Name: Hamamelis Virginiana Leaf Extract

CAS: 84696-19-5

Synonyms: Hamamelis, Witch Hazel, Hamamélis de Virginie, Hamamelis virginiana, Hazel, Snapping Tobacco Wood, Spotted Elder, Winter Bloom.

Product Quality: The product is concentrated at a ratio of 10:1, meaning the amount of plant material used to obtain the extract is ten times greater than the final amount of the extract. This ratio is used to emphasize the strength and efficacy of the extract.

Origin of Raw Material: China

Description: Hamamelis virginiana L. (family Hamamelidaceae), also known as American witch hazel or American hazel, is a deciduous shrub or small tree originating from the eastern part of North America. It is characterized by its distinctive, fragrant yellow flowers that bloom late in the autumn. These flowers have narrow, ribbon-like petals. The plant's leaves are broad, oval, and alternately arranged on the branches, turning vibrant yellow in the fall. Witch hazel produces a fruit that is a woody capsule with seeds that can explosively eject to disperse. It thrives in moist, well-drained soils. Key phytochemicals present in witch hazel include: tannins (reduce inflammation and aid in wound healing), flavonoids (quercetin) with antioxidant and anti-inflammatory properties, gallic acid, hamamelitannins (a specific group of tannins known for their astringent and anti-inflammatory properties), saponins (with mild antiseptic properties), proanthocyanidins, and catechins (antioxidants that can help protect the skin from damage caused by free radicals). It is easily soluble in water and glycerin.

Benefits:

- **Skin and Pore Tightening:** Astringent substances in witch hazel temporarily constrict and tighten the skin and tissue, which can help reduce the visibility of pores. Its astringent and antibacterial properties make witch hazel useful in accelerating the healing process of minor cuts and scrapes.
- **Sebum Control:** Witch hazel contains components that have anti-inflammatory

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effects. This can help reduce inflammation around the sebaceous glands, which may decrease their activity and sebum production. This makes witch hazel a popular ingredient in products for oily and acne-prone skin.

- **Antioxidant Effects:** Contains antioxidants that help protect the skin from damage caused by free radicals.

- **Soothing Sunburns and Insect Bites:** Due to its anti-inflammatory effects, witch hazel has proven effective in soothing sunburns and insect bites.

- **Reducing Under-Eye Puffiness:** The skin-tightening effect can be beneficial in reducing under-eye puffiness. Its ability to constrict blood vessels helps reduce the appearance of swelling and dark circles under the eyes.

- **Skin Refreshing:** Many people use witch hazel as a refreshing toner because of its ability to remove excess oil and impurities from the skin. Witch hazel can also act as a mild cleanser, helping to remove dirt, bacteria, and makeup residues from the skin.

Usage: Used for making water-glycerin extracts, glycerites, tinctures, and other cosmetic semi-products. Recommended concentrations range from 5-10%.

Storage and Shelf Life: The powder is stable when stored in a dry and cool place. Shelf life of 2 years.

Animal Testing: The substance has not been tested on animals.

GMO: Non-GMO

Vegan: Does not contain animal-derived components.

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