

TECHNICAL DATA SHEET

Angelica Hydrosol

Product Name: Angelica Hydrosol

INCI Name: Angelica Archangelica Flower Water

CAS Number: 84775-41-7

Botanical Name: *Angelica archangelica* L.

Plant Family: Apiaceae

Plant Part: Flowers

Synonyms: Angelica Hydrosol, Angelica Floral Water, Angelica Flower Water, Angelica Archangelica Hydrosol, Garden Angelica Hydrosol, Archangelica Hydrosol, Angel water, Wild celery hydrosol

Extraction Method: Steam distillation

Source/Origin: Botanical

Chemical Classification: Natural botanical distillate; complex aqueous mixture of volatile and water-soluble plant components; UVCB substance

Functional Category: Hydrosol; botanical aromatic water; skin conditioning agent; fragrance and refreshing cosmetic raw material

Description: Angelica hydrosol is obtained via steam distillation of fresh plant material, specifically the flowers of the angelica plant. It contains all the water-soluble volatile components of the angelica flower, as well as cellular water, which imparts aromatic and therapeutic properties to the hydrosol. This exquisite hydrosol differs in composition from the essential oil, containing very small quantities of hydrophilic aromatic esters and alcohols present in the essential oil (approximately 0.05 to 0.2 grams per liter). The hydrosol is safe for application in children and the elderly. It does not require further dilution, except when used on very young infants. It is a clear,

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slightly yellowish liquid with a pleasant scent. Scent profile: refreshing, mild, sweet, aromatic botanical aroma. Insoluble in oils, soluble in water.

Use: Used as a natural facial toner. It can be used as a mouthwash either undiluted or diluted 1:1 with distilled water. For cleansing and rinsing the intimate area, the hydrosol is combined with distilled water and used twice daily. Due to its properties, it is beneficial for many skin conditions (insect bites, eczema, sunburns, psoriasis, seborrhea). It also exhibits beneficial effects in cases of acne and blemishes. It promotes skin regeneration by accelerating granulation and epithelization processes. Visible positive effects on the skin include: vasoprotective (improves circulation, reduces redness), anti-edematous, anti-irritant, antiseptic, antibacterial, and antioxidant properties. It can replace the water phase in emulsion systems.

Benefits:

- Soothes sensitive and mildly irritated skin
- Refreshes the skin and provides a pleasant feeling of cleanliness
- Helps maintain the skin's natural balance
- Gently tones the skin and contributes to a fresher appearance
- Delivers a delicate aromatic effect in cosmetic formulations

Animal Testing: In accordance with applicable European regulations (Regulation (EC) No 1223/2009 on cosmetic products), the substance has not been tested on animals. The safety assessment of the raw material is based on available toxicological data, scientific literature, and validated alternative testing methods (*in vitro* and *in silico*). *In silico* refers to testing and assessment methods conducted using computer models and simulations rather than laboratory tests on living organisms (*in vivo*) or cell cultures (*in vitro*). This note confirms compliance with the animal testing ban and serves solely for informational purposes regarding further use of the raw material in cosmetic formulations.

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GMO: Non-GMO

Vegan: Contains no animal-derived ingredients

