

Specifications and Characteristics

APPEARANCE	Clear liquid
COLOR	Colourless or slightly coloured
ODOR	Pleasant, characteristic
DENSITY	0.95 – 1.05 g/mL
pH	3.5 – 7
FORMULATION	Each hydrolat is soluble in water and can be used up to 100%
NATURAL ORIGIN INDEX (ISO 16128-2)	1
SHELF LIFE	12 months
STORAGE CONDITIONS	Ambient temperature



(*) X. Fernandez, C. André, A. Casale, *Hydrolats et eaux florales. Vertus et applications*, Paris, Vuibert, 2014.

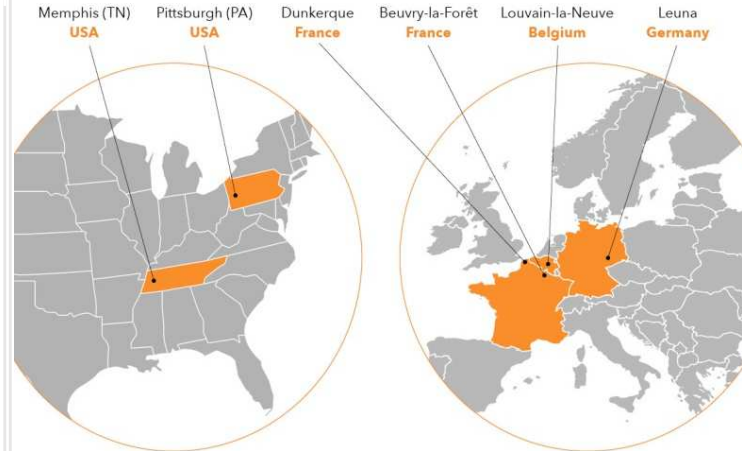
The above information is accurate to the best of our knowledge. Customers are advised to make their own studies on the usefulness of any ingredient for a particular application. Recommended usage information is only provided as indication and should not be considered as recommendations to use Minasolve SAS's products in violation of any laws, patents, or official regulations dealing with manufacture, composition, local procedures, product design, or end usage.

Minasolve® is an affiliate of Minafin® GROUP

Created in 2004, **The MINAFIN® Group**, specializes in fine chemistry for the life sciences and high tech industries. Activities include industrial subcontracting, development of chemical syntheses and industrial scale-up of custom-made processes as well as proprietary products with high added value for the pharmaceutical, cosmetics, agriculture and high-tech industries. Strong synergies exist between all business units: MINASOLVE, MINAKEM, MINAGRO, PENNAKEM, PRESSURE CHEMICALS, MINASCENT and EcoXtract.

Serving market leaders as well as emerging players we support our customers' efforts to improve the quality of life in the global community by:

- ▶ Improving our chemistry and operational excellence today
- ▶ Creating and innovating for tomorrow
- ▶ Driving our enterprises together to **go beyond expectations**



192
M€ SALES



860
EMPLOYEES



85
SCIENTISTS



6
PRODUCTION SITES

MINAFIN®
GROUP

Hydra-Leen

**STABILIZED HYDROLATS:
THE NATURAL FRAGRANCE**



**COSMOS
APPROVED**

- ✓ *Free of listed preservatives*
- ✓ *Technology & Tradition*
- ✓ *Sustainably Sourced*



MINASOLVE®
BIO-INGREDIENTS FOR YOUR APPLICATIONS

**green
solving
attitude.**

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Hydra-Leen from Minasolve: OPTIMIZED SOLUTIONS DIRECTLY FROM THE PLANT

Eco-responsibility is at the heart of Minasolve's global strategy. Our mission is to continuously offer innovative products while ensuring respect for people and the environment.









Hydra-Leen is our range of **storage stable hydrolats**. These are **aqueous solutions of natural fragrances** produced as a byproduct from the steam distillation of essential oils. The hydrolats have a similar fragrance profile as their parent essential oils. However, due to their higher dilution, hydrolats are safe and mild to the skin. They represent an ideal solution for the **perfuming of natural cosmetic formulations**.

Freshly prepared hydrolats are quite **fragile products** that are sensitive to microbial contamination and can degrade over time. They must therefore be stored in closed containers under cool and controlled conditions. Some hydrolats may also show phase separation phenomena, especially when stored in the cold.

The **patent pending Hydra-Leen** range of hydrolats from Minasolve is optimized for **homogeneous composition** and a **long shelf life**, even when **stored at ambient temperature** and **transported in hot or cold climates**. **Hydra-Leens** are free of **listed preservatives**, **COSMOS approved** and compliant with Natrue guidelines.

All hydrolat raw materials for **Hydra-Leen** are produced by a Moroccan supplier of local natural products that maintains a **close relationship with farmers** and guarantees **full traceability of the ingredients**.

Hydra-Leen range:

COMMERCIAL and BOTANICAL NAMES	PLANT PART	INCI	GEOGRAPHIC ORIGIN IN MOROCCO	PLANT PROPERTIES (*)
Hydra-Leen Cedar CEDRUS ATLANTICA   COSMOS APPROVED	Bark	Cedrus Atlantica Bark Water (and) Pentylene Glycol	Azrou	Hair care: <ul style="list-style-type: none"> - Tonic: promotes hair growth and acts against hair loss - Brings strength and shine - Purifies and balances oily scalp - Relieves discomfort and fights against scalp problems (dandruff, psoriasis, eczema...) - Lice repellent Skin care: <ul style="list-style-type: none"> - Purifies and regulates oily and acne-prone skins - Skin tonic - Helps to soothe itching skin
Hydra-Leen Neroli CITRUS AURANTIUM   COSMOS APPROVED	Flower bud	Citrus Aurantium Amara (Bitter Orange) Flower Water (and) Pentylene Glycol	Marrakech	<ul style="list-style-type: none"> - Contains antiseptic and soothing properties, it is commonly used in formulations for sensitive, oily or problem skins (acne, rosacea, eczema) - Helps to restore radiance to dull skins - Provides soothing aromatherapy, it delicately perfumes formulations with soft, floral scents
Hydra-Leen Eucalyptus EUCALYPTUS GLOBULUS   COSMOS APPROVED	Leaf	Eucalyptus Globulus Leaf Water (and) Pentylene Glycol	Marrakech	<ul style="list-style-type: none"> - Mainly used for its purifying properties: ideal for oily and acne-prone skins - Its antioxidant and stimulating properties are perfect for mature skins - Prevents eye irritation in make up removers - Antibacterial / antiseptic - Refreshing
Hydra-Leen Rose ROSA DAMASCENA   COSMOS APPROVED	Petal and flower	Rosa Damascena Flower Water (and) Pentylene Glycol	Kelaat-M'Gouna	<ul style="list-style-type: none"> - Very gentle, it is suitable for all skin types - Its antioxidant and toning properties are perfect for anti-ageing formulations - Refreshing, soothes skin prone to redness - Powerful and fresh scent, bringing the sweet smell of rose to your formulation