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 UNIVERSITÀ DELLA CALABRIA

ALIGNMENT OF THE COMPANY MISSION  
WITH THE CUSTOMER NEEDS!

# constitutional waters



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# constitutional waters

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Constitutional waters are hydrosols obtained through a cold drying technology, which allows us to preserve all the properties of the plant matrix. After the drying process, the water contained within the plant with a specific aroma is recovered, rich in benefits and suitable for numerous cosmetic uses.

Thanks to their properties, constitutional waters can be directly used on the skin and scalp. Through the cold drying technology, the product maintains its organoleptic characteristics and all the properties present in the plant matrix.

Moreover, this innovative system employs low-energy-consuming facilities, enabling the drying of large quantities of the product within 24-48 hours.

Example INCI: Hamamelis Virginiana Leaf Water, Benzyl Alcohol, Sodium Benzoate, Potassium Sorbate.

Uses of constitutional waters:

- Refresh and hydrate the skin
- Provide a soothing and calming effect
- Excellent bases for cosmetic products.





# Fluxa vegetal extracts



# vegetal extracts

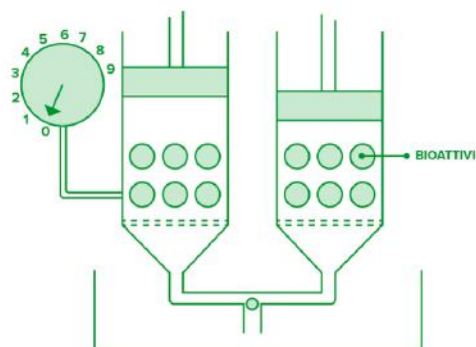
## FLUXA EXTRACTS

LINE OF MORE THAN 300  
VETAL EXTRACTES WITH  
PRECIOUS ACTIVES OBTAINED  
THROUGH SHIP TECHNOLOGY

In order to produce superior quality cosmetic raw materials, our company has embarked on a journey to enhance the value of wild or cultivated plant species found in the Mediterranean region, particularly in the Calabrian territory, making the best use of their active principles.

With the aim of obtaining vegetal extracts with a high content of active principles, the plant matrices are harvested at their peak balsamic time and dried within a few hours of harvesting using a cold drying technology that prevents the alteration of heat-sensitive active principles.

For the production of extracts, the dried plant matrices are extracted using the Naviglio Extractor, an innovative solid-liquid extraction technology that allows the rapid



Naviglio estrattore

extraction of extractable substances from solid matrices. The process takes place at room or sub-room temperature, utilizing an increase in pressure of the extracting liquid on the solid matrix, thus avoiding the alteration of heat-sensitive substances.

Currently, Macrofarm possesses a wide variety of certified BIO extracts, obtained using different



extractive blends and stabilized with various preservative systems.

Macrofarm also offers the possibility to characterize the extracts, providing customers who request it with a series of tests to support the specific efficacy of the raw material. In addition to the listed references, we develop tailor-made extracts upon request, starting from dedicated plant matrices.



# Fluxa Lipo Extract



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# Fluxa Lipo Extract

Line of lipo plant extracts obtained by cold maceration



**FLUXA LIPO EXTRACTS** are obtained by cold maceration of officinals in vegetable or synthetic oil, which allows the extraction of valuable liposoluble substances present in the plant drug.

Applications:

- skin-care
- hair-care



**EXEMPLE:**

## **ARNICA LIPO EXTRACT FLUX**

**Inci:** Helianthus Annuus Seed Oil, Arnica Montana Flower Extract, Tocopherol.

The benefits of Arnica lipo extract are due mainly to certain compounds contained in Arnica flowers, such as elanin, a sesquiterpenic lactone that has demonstrated anti-inflammatory and analgesic abilities.

**Macrofarm develops lipo extracts from dedicated plant matrices.**



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