

Plant extracts

My plant extracts, naturally



Botanica ®

An Evonik company.

Welcome

Welcome to the world of plant extracts

Our range

- Development and production of individual plant extracts for cosmetic formulations
- Advice on choosing the right extract
- Offer of grades and extraction processes for your individual needs
- Range of over 1000 plants
- Detailed documentation
- Certified according to Swiss Organic Produce Regulation, ISO 9001 and CSE sustainability standard, including ISO 14001
- Collaboration on a partner-led and sustainable basis
- Traceability even right back to the field

Quality of service

We support our customers from the beginning up to the execution stage of their projects and always work with a focus on the solution. We are pleased to help you find the perfect extract for your cosmetic formulation with our expert knowledge.

Product quality

Quality is always of paramount importance to us when selecting our raw materials and also during production, analysis, packing and labelling. Our working procedures and processes are systematically put together and products are checked in a microbiological analysis by an external laboratory. This enables us to ensure that only products that fulfil our high quality requirements leave our premises. The fair and sustainable use of resources is naturally an important part of how we work.



**CERTIFIED
SUSTAINABLE
ECONOMICS**

Sustainability

Sustainable activity lies at the heart of all our processes at Botanica. In all aspects of our work, we continually ask ourselves what we can do to act in a more ecological, environmentally-conscious and fairer way. We use our sustainability certification CSE (Certified Sustainable Economics) including ISO 14001, as a basis for acting in a sustainable way. Our ecological, economic and social objectives are coordinated with one another.



Ecological

Botanica only uses sustainable electricity and takes account of energy efficiency when purchasing new equipment. Most of our waste is taken to the recycling plant and we offset our use of non-renewable energy as much as possible. At least 75% of our products are entirely natural and raw materials are used from sustainable sources. We also prefer to use packaging and consumables made from recycled materials.

Economic

Botanica is investing in building on its knowledge and technologies, in order to generate moderate and continuous growth. In our production and development processes, we also prefer to use environmentally friendly and sustainable resources.

Customers and suppliers are valued as important partners and close collaboration with them forms the basis for success.

Social

Botanica takes a flexible approach to its employees' needs, such as organising working hours around other commitments, and responds to their wishes. Everyone takes a break together every day and employee meetings and team events take place several times a year. Botanica provides its support in external training courses and further education and embodies an open and tolerant company culture.

A wide range of plants



Plant extracts lend a unique quality to any cosmetic product and may boost a product's skincare properties.

Botanica has over 1000 different plants at its disposal from which to obtain extracts.

Different plant components such as flowers, leaves or roots can also be obtained from a wide range of plants. New plant discoveries are always being added from all over the world.

Extraction



Botanica produces exclusively liquid plant extracts. We have a wide range of water- or oil-soluble carriers at our disposal. The main resources used for extraction are water, glycerine, plant-based propylene glycol, ethanol or various plant oils.

Many organic-quality raw materials are also available.

Botanica uses gentle extraction processes such as maceration, percolation or distillation.

Natural cosmetics



Botanica plant extracts are ideal for use in natural or organic cosmetic formulations. Organic extracts are enjoying increasing popularity and Botanica is continuously expanding its organic range. Since November 2014, Botanica has been certified organic in accordance with the Swiss Organic Produce Regulation (equivalent to the EU Organic Production Regulation, US NOP etc.). This organic certification is recognised by well-known natural cosmetics labels and ISO 16128.

Concentrates

Botanica has developed a gentle two-step process by which extracts can be provided in the form of concentrates.

This provides the following benefits:

- 💧 Higher substance concentration
- 💧 A more attractive price / content ratio
- 💧 More sustainable packaging
- 💧 Lower transport costs
- 💧 Lower storage volumes
- 💧 Easy to incorporate the extract

Extractive®

Plant extracts as natural products are multi-component mixtures and contain a range of substances. We already know of the primary marker compounds or substance groups in many plants.

From this knowledge, Botanica has developed the Extractive® range of plant extracts, in which a minimum amount of typical marker compound is guaranteed, measured by effect (antioxidant potential, colour etc.).

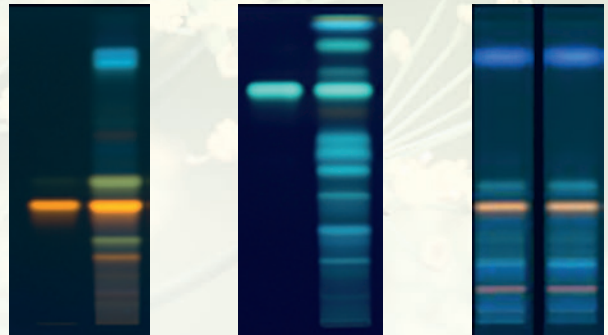
Analyses

Internal analysis of our extracts is a vital quality feature. Plant extracts are multi-component mixtures and therefore require a high level of knowledge and experience. The substances may vary depending on their origin, the environmental conditions and the storage of the plants.

We perform the following analyses:

- 🧪 Quantification:
antioxidant capacity (hydrophilic and lipophilic antioxidants), colour intensity, foaming properties (saponins), acids, flavonoids, proteins etc.
- 🧪 HPTLC (profile/quantitative):
flavonoids, tannins, alkaloids etc.

HPTLC fingerprint of various extracts and reference substances:





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