



PHYTOTOTALITY

MULTI-EXTRACTS THAT REASSEMBLE THE PHYTOCOMPLEX Natural synergy among plant constituents

In nutraceutical science, the phytocomplex represents the true functional identity of a botanical ingredient. Rather than a single isolated compound, it is the result of a natural synergy among multiple bioactive constituents, acting together to support physiological functions.

Why a complete phytocomplex?

- ✓ Natural synergy among plant constituents
- ✓ Greater consistency with traditional use
- ✓ Broader and balanced phytochemical profile

Not a single active ingredient,
but the natural intelligence of the whole plant.



Multi-extracts rebuild the natural complexity of the plant.

The complete phytocomplex can be obtained by:

- combining different parts of the same plant, each contributing a distinct and complementary phytochemical profile
- integrating different extractive fractions from the same plant part, obtained using solvents with different polarity.

This approach preserves the complexity and balance of the original plant matrix, aligning modern extraction technologies with traditional phytotherapeutic principles. The result is a holistic and naturally effective ingredient, designed to respect the intelligence of the whole plant.

Different parts of the same plant:

- **ELDER flowers and berries**

Different fraction of the same plant part:

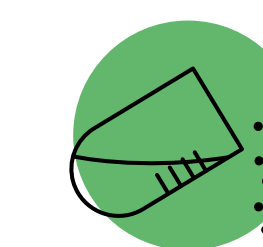
- **PERILLA**
- **ORTHOSIPHON**
- **SAGE**

Or discuss together to get your
TAILOR-MADE SOLUTION!

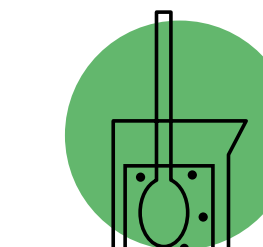


Granulated Powder Features

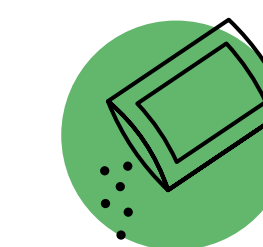
Granular extracts are characterised by an innate fluidity, ease of dissolution and high compressibility, which makes them particularly suitable for ensuring quality industrial preparations by bringing manufacturing lines to work at high performance. They are obtained through a special fluid bed granulation process (FFLG) to guarantee a perfect powder.



FLOWABLE



SOLUBLE



ELEGANT

- Suitable for vegans

Documented Quality

- Pesticides in accordance with Reg. CE 396/2005 and updated amendments.
- Residual solvents in accordance with Dir. CE 2009/32
- Total Aflatoxins <10 ppb in accordance with Reg. CE 915/2023
- Microbiological parameters controlled
- API in accordance with Reg. CE 915/2023
- Heavy metals in accordance with Reg. CE 915/2023 and Eur. Ph. 7th ed.
- Allergens-free in accordance with Reg. CE 1169/2001
- Not irradiated product Dir. 1992/2/CE, 1993/3/CE, Dlgs. 94 30/01/2001.

*Source: Annex 1 to the Ministerial Decree of 10 August 2018 on the regulation of the use in food supplements of Herbal Substances and Preparations as updated by Decree of 9 January 2019; Ministerial Reference Guidelines for physiological effects according to the model defined by the Council of Europe (Homeostasis, a model to distinguish between food, including food supplements, and medicinal products, 07/02/2008).



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ELDERBERRY

Plant parts used: flowers and berries

Bioactive compounds: flavonoids and anthocyanosides

Elder (*Sambucus nigra* L.) is one of the most extensively studied and traditionally used botanicals in European phytotherapy.




This dry extract obtained from both flowers and berries preserves the natural complexity of the phytocomplex, delivering a synergistic combination of flavonoids and anthocyanosides, obtained through hydroalcoholic extraction. Unlike extracts focused on a single marker, this ingredient enhances the entire phytochemical matrix of the plant, respecting its natural balance and traditional phytotherapeutic rationale.

MULTI-EXTRACT *Sambucus nigra* L. Flower + Berries

- **Flavonoids:** Key contributors to the antioxidant profile, helping protect cells from oxidative stress.
- **Anthocyanosides:** Natural pigments characteristic of berries, known for their role in supporting vascular function and immune health.
- **Extraction solvents:** water/ethanol
- Dried granulated extract through Fluidized bed granulation (FFLG) technology
- Gluten-free and suitable for vegans



Application areas

-  Support of natural immune defenses
-  Cardiovascular wellbeing
-  Seasonal formulations
-  Botanical-based food supplements





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Multifractionated extract: capturing the full potential of the plant

Multifractionated extraction is a smart and advanced approach designed to unlock the complete phytochemical potential of the plant. By using a sequence of solvents with different polarity, from water to ethanol, this process selectively captures a broad spectrum of bioactive compounds that would otherwise be missed by conventional single-solvent extractions. Each fraction contributes its unique phytochemical profile, and their controlled recombination delivers a final extract that is rich, balanced, and naturally synergistic.

The result is a high-quality extract that truly reflects the plant's intrinsic complexity, offering enhanced phytochemical completeness and a wider functional profile to support innovative, science-driven formulations.

Multifractionated extracts:

- *Perilla frutescens*
- *Orthosiphon stamineus*
- *Salvia officinalis*

Application areas:



Your preferred Botanical extract!

- ✓ Dried granulated extract through Fluidized bed granulation (FFLG) technology
- ✓ Gluten-free and suitable for vegans

