

Physis Ingredients®
Encapsulated nature



Co-funded by
the European Union



Programme
Central Macedonia

PROFILE

Physis Ingredients was founded in 2017, as a subsidiary company of HORIZON S.A. (<https://orizon-ate.gr/>). In a period when there is a constant increase in “clean label” products demand, we chose to invest in the rich Greek Flora, aiming at offering innovative natural products to the market. Our portfolio includes plant extracts and natural ingredients with specific properties for food, feed, cosmetics and supplements industries.



Our vision is to contribute to the industrial transition towards “clean label” products.



Our mission is to provide Greek, natural, scientifically validated innovative ingredients to our clients, so that they offer added valued products to their own clients.



CULTIVATIONS



Physis Ingredients, aiming to achieve full supervision of the quality and the production process, started its route from the field. After years of research, the company chose aromatic and pharmaceutical plants as raw material, since Greek rich biodiversity in endemic species offers innovation possibilities. Since 2017, the company holds collaborations with experienced producers in the Agkistro village in Serres, for the cultivation of 5 species in 6,5 acres. In 2020, it proceeded to the cultivation of cornelian cherry trees in an area of 3 acres.



RESEARCH & DEVELOPMENT

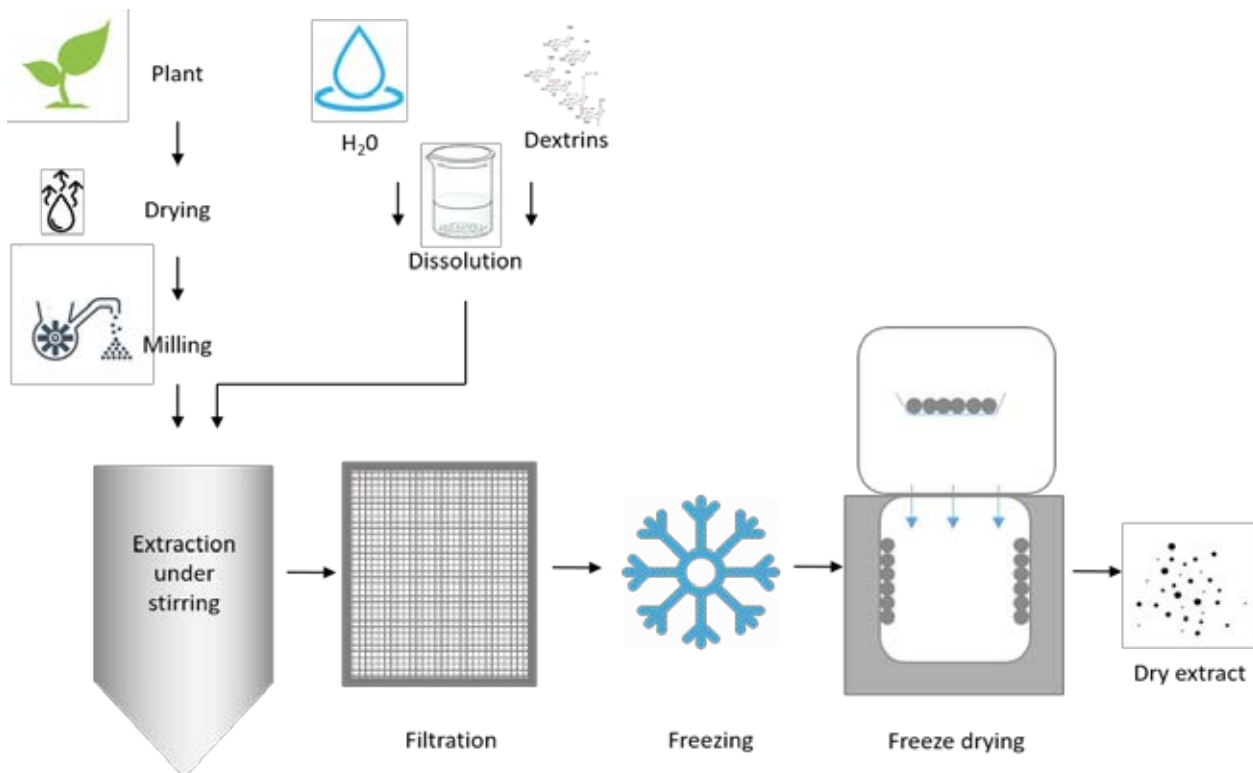


Research plays a key role in the activities of Physis Ingredients and is the way to develop know-how and new innovative products. The company, even from the beginning of its operation, holds strong collaboration with laboratories of the Aristotle University of Thessaloniki for the development of innovative products. Within the first 5 years of operation, the company has invested more than 40.000 euros with exclusively own capital for research & development activities.



Additionally, aiming at intensifying its activities in research, the company participates in research projects in collaboration with research institutes. Indicatively, it participates and coordinates the project “NeuroActCorn” (funded by NSRF 2021-2027) about the development of a natural ingredient with neuroprotective action, and a project that foresees the development of added-value dairy products with the integration of natural extracts.

PROCESS



Physis Ingredients has developed an innovative extraction process which offers certain advantages to the final product.

- * High solubility of the bioactive compounds
- * Compatibility with food matrices
- * High bio-availability
- * High stability
- * Masking of the bitter taste



Our products are standardised in scientific markers. They are available in liquid and powder form, depending on the clients' needs, and accompanied by the necessary technical documents and analyses. The vast majority of the plant raw materials are certified organic.

PRODUCTS _ BRANDED

PhysisBest

Φυσική λύση για την οξείδωση



Antioxidant blend **PhysisBest**

- High antioxidant capacity, rich in phenols, due to the synergy of four strong antioxidant plants
- Extends shelf life of the products
- Successfully tested in meat product mass & in cosmetic product
- Ideal for clean label products or products with natural ingredients
- Produced out of certified organic raw material
- Offers high bioavailability
- Water soluble
- Comes in liquid and powder form
- Unique formula, custom made by **Physis Ingredients**, developed in collaboration with the Aristotle University of Thessaloniki

Antioxidant blend **COR - RED**

- High neuroprotective, antioxidant and anti-inflammatory action, tested in vitro
- Standardised in anthocyanins
- In addition to its multi- action, it also offers colour
- Water soluble
- Comes in liquid and powder form
- Ideal for products with natural ingredients and clean label
- Unique formula, custom made by **Physis Ingredients**, developed in collaboration with the Aristotle University of Thessaloniki (funded by NSRF 2021-2027)



COR-RED
Φυσικό κόκκινο. Φυσικά δυνατά.



Feed supplement blend **CORNYME**

- High antioxidant capacity, rich in phenols, due to the synergy of essential oils & extracts
- Successfully tested in sheep under stressful conditions
- Milked production increased +10%
- Improvement of health indicators and animal support during the summer stress
- Enhancement of the milk taste, improvement of its quality characteristics and resistance to oxidation
- Enhancement of the quality characteristics (chemical composition, microbial load of the produced products (cheese & yogurt))
- Unique formula, custom made by **Physis Ingredients**, developed in collaboration with the Aristotle University of Thessaloniki

PRODUCTS _ PLANT EXTRACTS



Oregano (*Origanum vulgare*)

Properties: Antioxidant, antimicrobial, flavoring, anti-inflammatory



Lemon Balm (*Melissa Officinalis* L.)

Properties: Antioxidant, antimicrobial, contributes to stress & sleep management, helps digestion



Sage (*Salvia Officinalis*)

Properties: Antioxidant, antimicrobial, anti-inflammatory, memory enhancer, helps against diabetes



Thyme (*Thymus Vulgaris* L.)

Properties: Antioxidant, antibacterial, flavoring, antitussive, antiseptic, expectorant



Hyssop (*Hyssopus Officinalis*)

Properties: anti-inflammatory, expectorant, antitussive



Rosemary (*Rosmarinus Officinalis*)

Properties: Antioxidant, antimicrobial, anti-inflammatory, memory & concentration enhancer, helps against diabetes



Cornelian Cherry (*Cornus mas*)

Properties: Antioxidant, anti-inflammatory, helps against diabetes & neurological diseases



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