



## Pharma Solutions

Discover the power of our plants to create tailor-made APIs – natural innovation driving your project forward

### Why Natac?

Our ingredients support the formulation of natural products for the **pharmaceutical industry**, complying with the highest quality and safety standards.

The pharmaceutical industry demands **active ingredients of a botanical origin** to develop **botanical solutions**, as well as highly purified natural molecules for use as starting materials for the synthesis of **pharmaceutical active ingredients**.

At Natac, we are experts in the complex process of developing these ingredients. We make our knowledge and the necessary technologies available to you **to give you personalized solutions adapted to your needs**.



Natac holds a **GMP certificate** issued by the **Spanish Agency of Medicines and Medical Products (AEMPS)** under the Ministry of Health authorising the manufacture of pharmaceutical-grade plant-based ingredients with **guaranteed quality and safety**.

### Top Quality Botanical Extracts – ASMF upon request



**Passion flower**

*Passiflora incarnata* L.



**Valerian**

*Valeriana officinalis* L.



**Milk Thistle**

*Silybum marianum* L.



**Artichoke**

*Cynara scolymus* L.



**Echinacea Purpurea**

*Echinacea purpurea* L.



**Olive**

*Olea europaea* L.



**Ivy**

*Hedera helix* L.



**Horse Chestnut**

*Aesculus hippocastanum* L.

## Research and Development

With **our expertise and technology**, we can address health-conscious consumers preferences, accelerate development, and meet the demand rapidly.



## Regulatory Affairs

✓ We are **GMP Pharma certified**, and have obtained other **recognised certifications** for each one of our markets.

✓ **Our Regulatory Department** ensures that we strictly adhere to all legal and regulatory requirements, guaranteeing that **our ingredients contribute or support the safety and quality of your final products**.

✓ The **Regulatory Department** also provides clients with technical and regulatory advice, and prepares the **Active Substance Master Files (ASMFs)** required for the registration process in the pharmaceutical industry.



Botanical  
Authentication  
*Decision Tree*

Guaranteeing quality and safety to our clients is a pillar for growth and expansion.

We guarantee the **botanical authenticity and traceability of our extracts** by using our own risk analysis system.

1



HABOID  
decision tree  
evaluation

2



Risk  
category  
is assigned

3



A series of  
relevant tests  
are conducted

4



Only guaranteed  
raw materials  
proceed to production



## Multiproduct Extracts Facility



✓ **21,000 m<sup>2</sup>** with various extraction technologies and state-of-the-art equipment.

✓ Capable of manufacturing **3.000 tons** of raw materials per year.

✓ **1,500** automation points that serve us to:

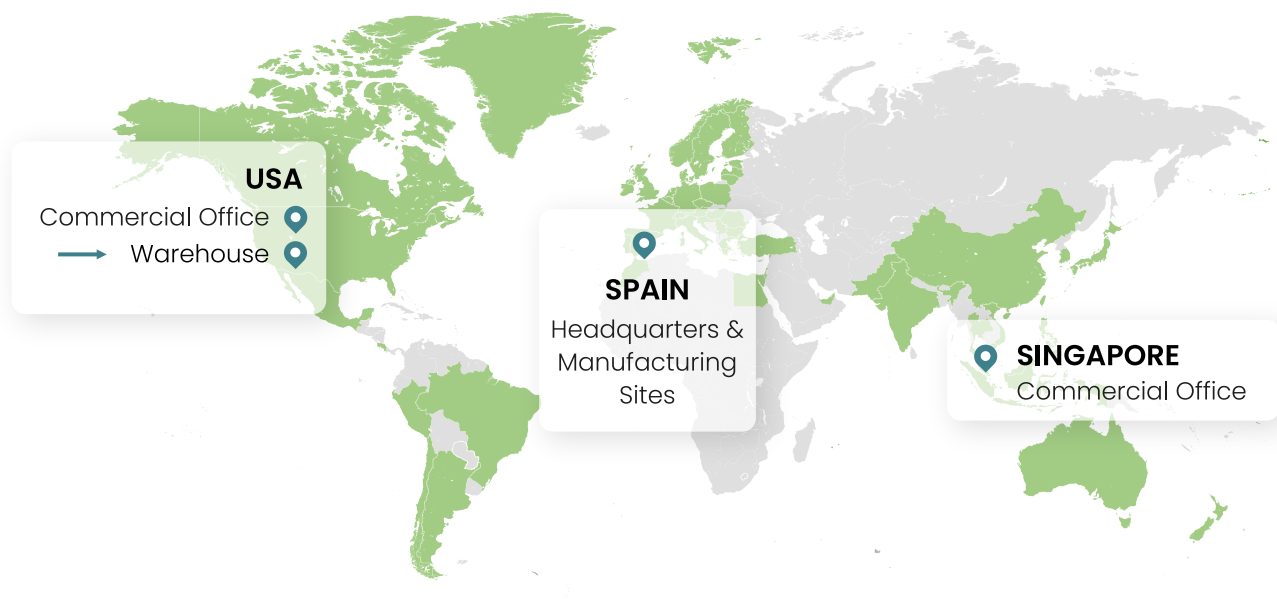
Ensure quality

Maintain efficient processes that preserve all bioactives throughout

Optimise resources, making our production more sustainable



The **strategic location of our production, R&D and Quality units** in Spain guarantees European standards.



## Science-backed Ingredients

### OLIVE

*Olea europaea* L.



#### Leaf

- Oleuropein up to 40% HPLC
- Oleanolic acid up to 60% HPLC
- Triterpenic compounds up to 70% HPLC

- ✓ Immunity
- ✓ Anti-inflammatory

#### Fruit

- **Oleanox**<sup>®</sup> (Hydroxytyrosol) up to 20% HPLC
- Maslinic acid up to 30% HPLC
- ✓ Cardiovascular health
- ✓ Antioxidant

### MILK THISTLE

*Silybum marianum* L.



#### Fruit

- Silymarin up to 50% HPLC
- Silymarin up to 80% UV/VIS
- ✓ Liver protection
- ✓ Digestive health



### ARTICHOKE

*Cynara scolymus* L.



#### Leaf

- Cynarin and derivatives up to 10% UV/VIS
- Caffeoylquinic acids as chlorogenic acid up to 10% HPLC
- ✓ Digestive health
- ✓ Detoxifying
- ✓ Liver health



### VALERIAN

*Valeriana officinalis* L.



#### Root

- Valerenic acids up to 1.5% HPLC
- ✓ Mental stress
- ✓ Sleep

### HORSE CHESTNUT

*Aesculus hippocastanum* L.



#### Seed

- Aescin up to 20% HPLC
- ✓ Circulatory health

### ECHINACEA PURPUREA

*Echinacea purpurea* L. Moench



#### Aerial parts / Root

- Chicoric acid and derivatives up to 10% HPLC
- Polyphenols up to 15% UV/VIS
- ✓ Immunity



### PASSION FLOWER

*Passiflora incarnata* L.



#### Herba

- Flavonoids as isovitexin up to 4% HPLC
- Flavonoids as vitexin up to 5% UV/VIS
- ✓ Mental stress
- ✓ Sleep

### IVY

*Hedera helix* L.



#### Leaf

- Hederacoside C up to 10% HPLC
- ✓ Respiratory tract health

We welcome your inquiries regarding other plant extracts.



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