



Botanical extracts made with innovative techniques

Labiotre is born from the fusion of seasoned professionals working in botanicals extraction and food supplements formulation. Founded in 2011 it is located in Tuscany, in Tavarnelle Val di Pesa, in the heart of Chianti.



Mission

Labiotre aims to produce with innovative techniques botanical extracts standardized in active ingredients with documented physiological action. Exclusive clinical studies can be performed on specific extracts or fractions on demand. The actives can also be processed from the point of view of technology and on demand, using the most modern pharmaceutical techniques.

Products

Labiotre produces the following product categories

- › GRANULATED DRIED EXTRACTS
- › SOFT EXTRACTS
- › COMPOSED EXTRACTS
- › FLUID EXTRACTS AND HYDROALCOHOLIC TINCTURES
- › HYDROGLYCERIC EXTRACTS
- › GLYCOLIC EXTRACTS
- › FERMENTED PRODUCTS
- › LIPOSOLUBLE EXTRACTS
- › GLYCERINE MACERATEDS



Research & Development

The research is of considerable importance in **Labiotre's** activities, in both finding natural raw materials as sources of active ingredients and in technological processes **developed specifically for the customer**. **Labiotre** products are always accompanied by the technical documentation necessary to ensure their quality.



Production process



Extraction

The extraction process adopted by **Labiotre** makes it possible to extract the active ingredients of the drug in minimal time leaving the constituents of the phytocomplex, originally contained in the plant, unaltered and balanced. **Labiotre** uses only the following extraction solvents for food use: **water, ethanol, propylene glycol, glycerin, vegetable oils.**



Concentration

The concentration of the extract with recovery of the solvent is carried out in a vacuum, which allows to considerably reduce production times.



Drying

The step of drying is done by a unique method which, thanks to a specific method of granulation, leads to the obtainment of **FFLG** (Free Flowing **Labiotre** Granules), consisting of granules of size almost uniform with the following characteristics:

Free flowing powder

Achievement of capsules and tablets of uniform weight and hardness, minimal loss and greater productivity during the production phase of oral solids.

Dissolution rate

It is much higher than conventional extracts dried powder. This is reflected in a higher availability and a better kinetic of the active extract.

Elegant appearance

In orosoluble or soluble sachets is almost absent a dust formation upon opening of the pack.

Possibility of coating

The granular extract can also be coated with a suitable agent for the production of release granules or resistant to specific pH.

Quality

Strict quality controls on the incoming raw materials, semi-finished and finished products ensure a batch to batch' certification regarding:

- › Standardization of actives
- › Maximum residuals provided by the European Pharmacopoeia and the Community regulation in force



LABIOTRE srl

Via Renato Guttuso, 6 - Sambuca Val di Pesa
50028 Tavarnelle Val di Pesa (FI)
Tel. +39 055 3993542 - Fax. 055 3993541
info@labiotre.com - www.labiotre.com