

herbafin[®]



Services for herbal liquids

Plant extracts and services for medicinal products in liquid formulation

The combination of years of experience and innovative technologies gives rise to plant-based products of the highest quality and purity. For decades, Finzelberg has supplied industrial customers from the pharmaceutical, cosmetic and foodstuff sectors with high quality phyto-extracts in a wide variety of delivery forms.

Together with our closely related company Phytopharm we offer you a wide portfolio of liquid formulations and services under our new brand name herbafin. This means you benefit both from the expertise of the specialists in liquid phytopharmaceuticals and the know-how of the leading manufacturer of plant extracts and plant-derived products. A perfect foundation for satisfied customers worldwide!

herbafin – everything from a single source

To guarantee the highest quality standards for our liquid phytopharmaceuticals, we provide all services from a single source, from raw material procurement through to the finished product. We achieve this as part of “the nature network” – a group of companies operating throughout the world in the plant products sector. This close cooperation provides a wide diversity of synergies, high innovation capacity and unrestricted guarantee of supply.

Thus, we can offer our customers a wide portfolio of plant-derived active ingredient concentrates – for example, extracts from fresh stabilized plants, tinctures, aqueous and alcohol-based liquid, soft and dry extracts, syrups, oil macerates, glycol extracts and homeopathic mother tinctures.

herbafin – from raw material to processing

The constant availability of raw materials in the highest quality is particularly important for the manufacture of natural plant-based active ingredients. Our nature network guarantees this through cooperation with the market leader, Martin Bauer: certified ecological plant cultivation, species and hybrid collection as well as market connections in 80 countries throughout world give us access to over 200 species of medicinal plants, herbs and other useful plants.

For the processing of plants and their valuable components, we have a wide range of modern technologies at our disposal for the extraction and further processing to liquid and dried plant-derived active ingredients. In addition, quality control for all products is carried out in well-equipped laboratories within our GMP-certified production facilities.

herbafin – services from A to Z

When it comes to service you can rely on herbafin. In addition to their quality control functions, our laboratories offer you extensive phytochemical and microbiological contract analysis, nutritional content analysis as well as stability tests for your plant-derived products.

We have highly-qualified experts and modern process technologies available to assist you with your product development needs. Innovative and profitable products thus develop step by step from your ideas. Furthermore, ultra-modern filling facilities provide high capacity for the packaging of your finished products. Our competent experts in customer service and our documentation centre can also help you with bibliographic data and pharmaceutical registration questions.

We will gladly advise you personally on the individual requirements of your business!



Cultivation projects

■ Experimental cultivation

Special cultivation: shading, various soils and fertilizers

Small-scale cultivation: raw material or seed collection from rare plants, determination of optimum harvest time

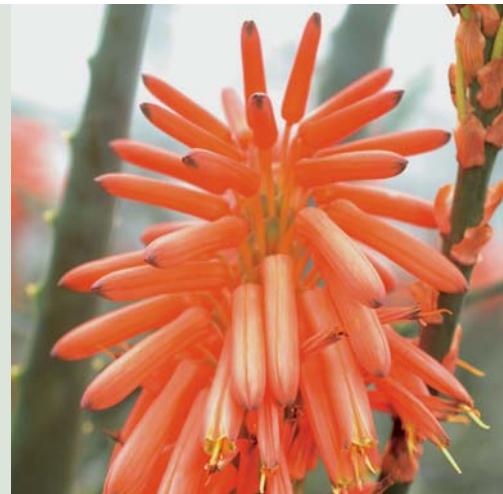
■ Greenhouse cultivation

Modern heated greenhouse with over 3000 m² total area, culture of non-hardy plants, cultivation of fresh plant-based raw materials

■ Field cultivation

In “the nature network”: raw materials from Martin Bauer

→ Special cultivation according to customer requirements



Extraction technology

■ Extraction

Percolation and maceration with variable extractor capacities for small batches to large-scale production

■ Fresh plant extraction

Stabilization of fresh plants using a special process, just-in-time delivery of fresh plant raw materials

■ Sedimentation, filtration, storage

Diverse filtration possibilities, variable storage tank sizes (in total 1 million litres) as prerequisite of high production capacity

→ Customer-specific contract extraction



Packaging

■ Packaging production lines

Modern fully automatic high-performance packaging lines with control systems for weight, pharmaceutical codes and printing

■ Packaging volumes

Variable and expandable – presently 50-200 millilitres, in clear glass, amber glass, plastic bottles with various seals and lid systems with dropper insert

■ Logistics, distribution

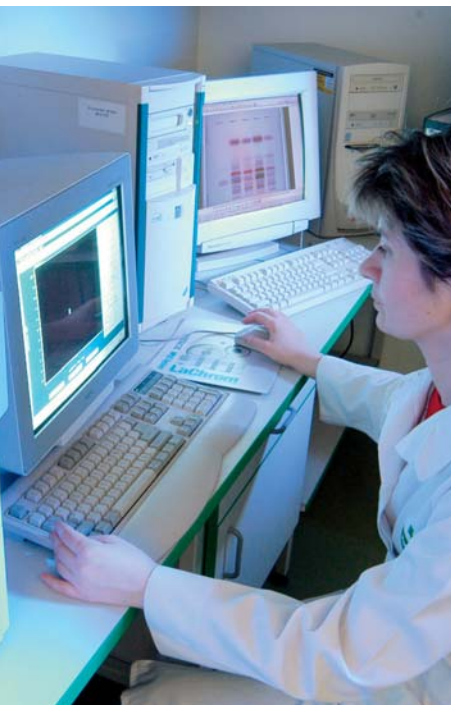
Own dispatch guarantees problem-free deliveries using optimum logistics

→ Contract filling and private labelling



herbaFin[®]

www.finzelberg.com



Quality control

■ Phytochemical laboratory

Ultra-modern instrumentation with liquid chromatography (HPLC) with DAD and RI detectors, gas chromatography (GC) with FID detector, thin-layer chromatography (TLC) together with UV/VIS densitometry, spectrophotometry, titration and other physico-chemical techniques

■ Microbiological laboratory

Microbiological analysis according to the pharmacopoeia (EU, PL)

■ Customer services

Test methods for plant-based active ingredients, phytopharmaceuticals, dietary supplements and cosmetics with stability tests as well as validations of analysis methods according to ICH guidelines

■ Purity tests for contaminants

→ Contract analysis and method development of any kind



Research and development

■ Development laboratory

Modern equipment for the development of plant extracts (API), galenic formulations and presentations of all kinds

■ Research

Literature, database and patent research, intensive collaboration with international institutes and universities

■ Innovative product development

New plant-based active ingredients, also ethnobotanical and traditional medicine as a source of new products. "The nature network" for access to rare and new raw materials

■ Observance of international standards, pharmaceutical guidelines, EU directives and laws

→ Customer-specific R&D service and contract research

Finzelberg GmbH & Co. KG
Koblenzer Straße 48-56
56626 Andernach, Germany
Tel.: +49 26 32 924-00
Fax: +49 26 32 924-040
welcome@finzelberg.com
www.finzelberg.com

Phytopharm Kłęka SA
Kłęka 1
63-040 Nowe Miasto nad Wartą
Poland
Tel.: +48 61 28 68-000
Fax: +48 61 28 68-529
welcome@phytopharm.com.pl
www.phytopharm.com.pl

www.phytopharm.com.pl