

Le Natural Product Designer[®]

The Expert in Natural and Ecoresponsible Solutions
for Beauty and Health



From the Seed to the Final Product

Le Natural Product Designer[®],



The Alban Muller Group has specialised in research and development in the field of plant-origin active principles and formulating top-quality natural products for almost 35 years. It offers its know-how and expertise to the Beauty, Health, and Well-Being industries. The Group revolves around a unique global approach, taking part in each step of the creation of a natural product, from selecting the seeds, to formulating products, from raw material to ready-to-use products. It focuses on 'intelligent green' and 'Made-in-France' quality, developing its products

according to a resolutely ecoresponsible approach, limiting the impact on Man and on the Environment, as much as possible. The Group has its own, monitored and certified manufacturing chain, based in the heart of the Cosmetic Valley, a French competitiveness cluster, near Chartres, South of Paris.

Scientific Expertise Dedicated to Innovations

Manipulating plants is not simple: Nature is complex and each plant is a true chemistry laboratory. The extracting and formulating professions require a complex know-how in various areas: Ethnobotany, Plant Physiology, Biochemistry, etc.

That is why Alban Muller dedicates more than 10% of his turnover to research, and created an R&D Centre within his company as early as 1995. The latter includes a team of pluridisciplinary chemists, pharmacists, biologists, cosmetologists, all of whom are specialised in the plant world.

Monitored, Controlled, and Certified Manufacturing

All Alban Muller products (liquid and dried extracts, raw materials and finished products) are manufactured on our two ISO 9001-certified sites and following strictly monitored processes.



Furthermore, according to the Ecocert certification, our manufacturing workshops for food extracts are in line with organic production methods, and our cosmetic manufacturing and packaging workshops meet the requirements of the reference system for cosmetic and ecological products.

Our Resources at the Service of Your Projects

A Research Centre (Montreuil, Paris Suburb)

This research centre consists of an R&D lab, a cosmetic formulation lab, an analytical control lab for the Group and a manufacturing control lab for the site. Adjoining this centre is a 3,000 m² manufacturing workshop dedicated to liquid plant extracts for the cosmetics industry.

A Manufacturing Site and Headquarters (Fontenay-sur-Eure, Cosmetic Valley)

This 6,000m² industrial site focuses on manufacturing liquid and dried plant extracts for the food and phytotherapy industries, as well as manufacturing and packaging finished cosmetic products.

The Administrative Affairs (Vincennes, Paris Suburb)

With the A.M.I. Sales Team (Alban Muller International): at your service for the follow-up of your projects.



The Expertise of the Plant World

An Eco-Responsible Approach

Quality and Safety of the Supply

Origin of the Plant

- Using plants under regulated picking in order to guarantee their renewal
- Using cultivated plants as much as possible, close to our manufacturing site

Cultivation Techniques

- Reliable cooperation with partner farmers who respect *Good Farming and Picking Practices*
- Using environment-friendly agronomy techniques to improve the quality of the plant

Monitoring Plants After Harvesting

- Content in active principles with the intervention of famous, specialised technical institutes
- Monitoring of contaminants (pesticides, toxic metals, etc.)

An Environment-Friendly Manufacturing Process

- Selecting renewable and biodegradable raw materials
- A certified factory: ISO 14001 (*Environment*) and ISO 22 716 (*Good Manufacturing Practices*)
- Eco-clean and low-energy manufacturing processes such as *zeodration*
- Recycling plant waste into compost for further cultivation



Sustainable Waste Management

- Carbon balance of our manufacturing site
- Decreased water consumption
- Treating wastewater through *Filtering Gardens (Jardins Filtrants®)*



The Alban Muller Group in Figures

- **21,9** million Euros in turnover in 2011
- A presence in over **50** countries
- **70%** turnover in export
- **120** employees on **3** sites
- **400** tonnes of extracts per year
- **700** tonnes of finished cosmetic products per year
- **150** new tailor-made finished cosmetic product formulas each year
- More than **300** plants offered (including **40%** from French cultures)

Tailor-Made Development,
Raw Materials, Finished Products,
Consulting, Full Service



■ **Zeodration,** An environment-friendly top-quality technique

This alternative low-temperature dehydrating system entirely preserves active principles, even the most thermosensitive ones, while saving energy. They are dehydrated in a vacuumed container, by water adsorption on highly porous clays called 'zeolites'. The reaction is exothermic and the heat produced is collected to heat the drying chamber.



■ **The Filtering Gardens,** *(Jardins Filtrants®),* An eco-solution to treat water by phytoremediation

Alban Muller has chosen to provide its manufacturing site with Filtering Gardens: the technology uses the depolluting and purifying ability of plants (reeds, irises, buttercups, willows, water lilies, etc.) to treat waste. An ecological alternative for perfectly 'green' recycling methods!



A Winning Alliance with Committed Partners



The Cosmetic Valley, an International Professional Network

The Cosmetic Valley was created under the patronage of Jean-Paul Guerlain in 1994 and has been under the presidency of Alban Muller from 2005 to 2011. He is now the Honorary President. The mission of Cosmetic Valley is to develop the cosmetic and perfume industries in France to create an international network.

The association has been labelled 'competitiveness cluster' by the French State, and is the world's largest centre of resources in the perfume and cosmetics industries. It brings together 400 companies in the field, and its territory covers six regions south west of Paris. Along with the Cosmetic Valley, the Alban Muller Group takes part in collective research projects, in particular elaborating the *Charter for an Ecoresponsible Cosmetic Valley*, guaranteeing the safety and quality of its products and services, respecting man and our planet.

www.cosmetic-valley.com

The Herboretum Association Commits in Favour of Biodiversity

The Alban Muller Group has supported The Herboretum Association since 2004. The latter takes concrete action in favour of biodiversity according to a programme in 5 points:

- Preserving biodiversity, using environment-friendly cultivating methods
- Highlighting the value of biodiversity, through the presentation of a variety of gardens
- Observing biodiversity, for better comprehension of its complexity
- Taking part in the follow-up of its evolution
- Making the public aware of its vital role

This garden of preserved and shared biodiversity is located in Saint-Ay, at the heart of the Val de Loire region, south of Paris, a region declared Unesco World Heritage.

The aim of the association is to help nature bloom freely, respecting its rhythms, favouring the development of the local floral and fauna species.

Since the beginning of the project, several species of butterflies and rare orchids have reappeared. A great victory for The Herboretum and living proof that nature, when protected and free, is rich, varied, surprising, and promising.

www.herboretum.org





The Natural Product Designer® Products

Cosmetics

The Group studies and favours natural-origin raw materials which have been judged effective and reliable, and innovative ingredients which optimise natural formulations in terms of activity, texture, etc.

Its beauty range is made up of both ingredients and finished products:

Ingredients

- Tested high-tech actives
- Eco-designed plant extracts
- Formulation ingredients

Formulated Beauty Care Products

The Alban Muller Group has created 26 cosmetic finished products which are ready for packaging and distribution: a simple and rapid collaboration, with limited investment. Activity, richness in natural ingredients, texture, fragrance, everything has been studied to offer innovative, top-quality beauty care.

Phytotherapy

For the specific formulation of medication, the Group's specialists have created an exclusive range of standardised dried extracts, provided with analytical and legal files, in compliance with the Pharmacopoeias.

Tinctures and liquid extracts can also be developed upon request in the same conditions.



The Natural Product Designer® Services

Tailor-Made Development

If you wish to develop your personalised ingredients or finished products, we are at your service to elaborate the tailor-made product of your dreams in all peace of mind, from the seed to the final product. We guarantee a unique formula, an efficient partnership, an adapted collaboration contract, and monitored investment.

Our research laboratory has been selected by the French government as eligible for a financial aid programme for companies favouring innovation.

Our Industrialisation Services

To meet increasing activity, accompany your growth, or satisfy specific technological requirements, we can manufacture your products (emulsions, serums, lotions, scrubs, masks, gels, foams, etc.).

Efficient teams, top-quality tools, a certified manufacturing site (ISO 9001, 14001 and 22716), and a quality approach in each manufacturing-steps are all at your service.

Professional Training Sessions

Alban Muller is a partner of The Herboretum® School, entirely dedicated to Naturals, and offering training sessions for professionals.

Specialised, famous speakers hold tailor-made practical and theoretical courses on all themes regarding the plant world and Nature: *Plants - Sources of Actives*, *Cosmetic Regulations*, *Plant Extracts in Food Supplements*, *The Stakes of Biodiversity*, etc.

www.ecole-herboretum.com



The A.M.I. Plant Encyclopedia

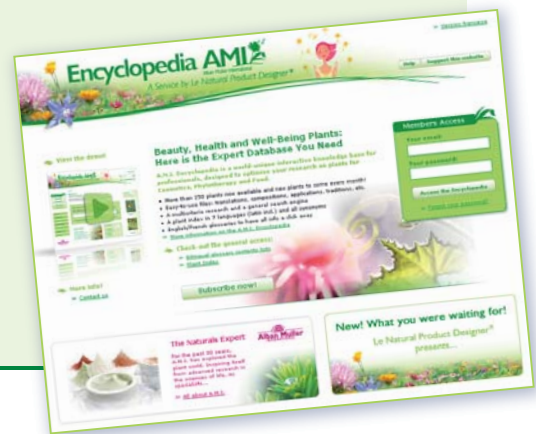
An Online, Interactive Database With A Very Powerful Search Engine

As the expert in the plant world, the *Natural Product Designer*®'s aim was to provide professionals in the industry, as well as customers and partners, with a reliable and complete research tool on several hundred plants studied throughout its research.

The tool is bilingual English/French, and is a key source of information on plants for use in cosmetics, well-being food and/or phytotherapy. For each plant, it lists the names, synonyms in several languages, botanical description, stories and legends relating to it, chemical composition of each plant part, uses, etc.

Its search engine includes 15 freely combinable criteria (family, morphological type, climate zone, plant part, cosmetic properties, food application, etc.). Rather than spending hours looking for answers in books, the A.M.I. Encyclopedia will help you focus your research and optimise your developments in just a click.

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