


















ADENUMAR

H O L D I N G

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The business group consists of 8 companies, dedicated to the world of cannabis. We take care of different areas that take into account all the development of the plant cycle, genetic developments, laboratory, research through collaborations with different universities, distribution of technical gardening products, own manufacture of fertilizers, odor treatments etc. The companies that make up the Business Group are the followings:



Spain

- Hemp Trading
- Spanish Seeds
- Biomax Seeds
- Worldpharma Biotech



Chile

- Siembra



Argentina

- Canafert



Uruguay

- Agricola Fermax



Colombia

- Sativa Distribuciones



HEMP TRADING



COMPANY INFORMATION

- Place and date of constitution of the Company: Valencia - 21/03/2003
- Representatives of the company: Ernesto Rafael Llosá Llácer.

•Company capacity:

We have facilities of more than 3.000 m², our own vehicles for distribution, a testing laboratory with updated machinery, highly qualified personnel in its different departments.

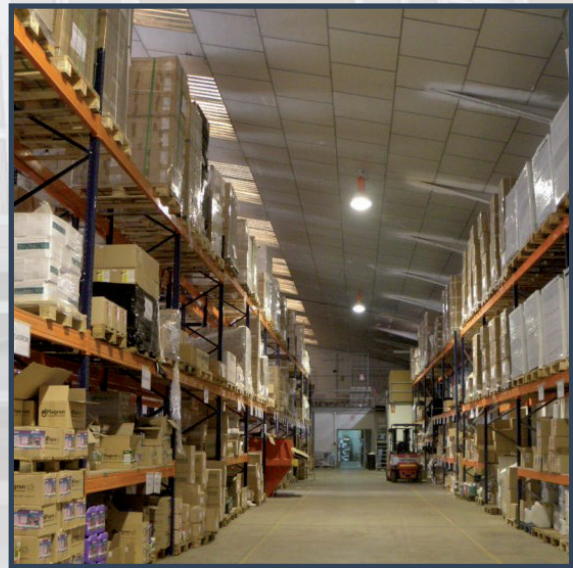
•Mission, vision and values:

Hemp Trading, S.L.U manufactures and distributes products for technical gardening. The company is focused on satisfying the needs of its customers and has a wide range of own and imported products, its own shipment service, as well as a laboratory.

The laboratory is constantly studying the potential improvements in the quality of its products and concerned about the research on the use of cannabis-derived medicinal products, through agreements with the Universitat Politècnica de Valencia.

Hemp Trading, s.l.u takes care of the work environment, enhances teamwork, giving priority to mutual respect and empathy among colleagues, also assessing honesty with employees and customers.

These values are applied in all the companies of the group.



SOME OF OUR OWN BRANDS



Secret Smoke®



HortiLight

Agr●lite





HEMP TRADING



PRODUCTS AND SERVICES

Hemp Trading, S.L.U., is divided into three branches: distribution, manufacturing and laboratory.

As a trading company, we import, export and wholesale of technical gardening items (substrates, fertilizers, tents, tools, measuring instruments, lighting, hydroponics, pots, etc.)

We were born in 2002 with the aim of meeting the demands of a booming market, and since then we have evolved to adapt year after year to the needs and tastes of our customers.



In the branch of fertilizer manufacturing, from our own facilities, we invest in R&D to achieve the maximum effectiveness in the outcome; we formulate and manufacture our own line of products: substrates and fertilizers. Our range covers both 100% organic products and organic-mineral fertilizers, with both liquid and solid formats of fertilizers.



Our products cover the full variety of fertilizers necessary for the development of the plant: from the stage of rooting to flowering. We have products for the growth and stimulation of the plant in all stages.

In our facilities we manufacture our products; we bottle, package and label them, leaving the product ready for distribution.

Our range of fertilizers is available in several international markets such as Spain, Italy, Chile, Uruguay, Argentina, Colombia and Brazil.

In this area of fertilizer production, we take care of the development of the three brands registered by the company: Top Crop, THC and Miner.

We offer a wide range of fertilizers both for domestic gardening and for agricultural use. Some of them are suitable for organic crops, having obtained the registration of Sohisert according to the European Regulation R (EC) No. 834/2007 of the council, of June 28, 2007.





HEMP TRADING



HEMP TRADING S.L.U has in its facilities a modern gas chromatography system (Headspace Gas Chromatography - Flame Ionization Detector HS-GC-FID) for the qualitative and quantitative determination of cannabinoids and terpenes in cannabis.

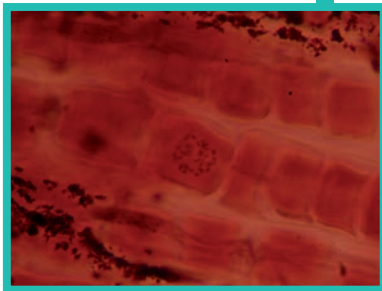


PRODUCTS AND SERVICES

In the laboratory branch, we are specialists in GAS CHROMATOGRAPHY RESEARCH AND CONTROL:

Chromatography is today a powerful instrumental technique of chemical analysis for the separation, identification and quantification of chemical substances that are part of a complex sample.

In our sector, the analysis of the content of terpenes (responsible for the organoleptic characteristics) and the analysis of cannabinoids (active ingredients) are of utmost importance for our research and control tasks.



Cannabinoid profile studied: CBC, CBD, Δ8-THC, Δ9-THC, CBG, CBN.

Profile of terpenes studied: Alpha-pinene, Camphene, Beta-myrcene, Beta-Pinene, Delta3-carene, Alpha-terpinene, Ocimene1, d-Limonene, p-Cymene, Ocimene2, Eucalyptol, Gamma-terpinene, Terpinolene, Linalool, Isopulegol, Geraniol, Beta-caryophyllene, Alpha-humulene, Nerolidol cis 1, Nerolidol trans 2, Guaiol, Caryophyllene oxide, Alpha-Bisabolol.



COLLABORATIONS

Several cooperations with the UNIVERSITAT POLITÈCNICA DE VALÈNCIA: "DEVELOPMENT OF A PROTOCOL OF ADVENTITIOUS REGENERATION OF CANNABIS (CANNABIS SATIVA L.) THAT CAN BE USED AS A STARTING POINT FOR A PROGRAM BASED ON THE USE OF SOMACLONAL VARIATION".

WORK TEAM:

- D. Salvador Soler Aleixandre, Dr. Agronomist, University Professor.
- D. Vicente Moreno Ferrero, Dr. Agronomist, University Professor.
- D. Benito José Pineda Chaza, Dr. Agronomist, University Associate Professor.
- D. Alejandro Atarés Huerta, PhD in Biological Sciences, Professor Doctor.



HEMP TRADING



COLLABORATIONS

Cooperation with the UNIVERSITAT POLITÈCNICA DE VALÈNCIA:

“STUDY OF GENETIC DIVERSITY AND OBTAINING GENETIC FOOTPRINT WITH VARIETIES OF CANNABIS SATIVA SSP INDICA DE MARIS SEEDS SPANISH, S.L.”.



Schedule (3 years):

- Optimization of a DNA extraction and purification protocol in Sativa cannabis seed embryos.
- Selection of markers type SSRs of high performance polymorphism in Cannabis Sativa.
- Study of genetic diversity within the Cannabis Sativa variety.
- Diversity and genetic structure in Cannabis Sativa.
- Determination of markers to obtain a genetic fingerprint of Cannabis Sativa varieties.



COMAV TEAMS FOR THE PROJECT:

- Molecular biology laboratory of the COMAV.
- Seed handling laboratory of the COMAV.
- Fragment analyzer ABI PRISM 310.
- Fujifilm Intelligent Dark Box II sensor.
- Preparative Centrifuge Beckman Coulter Allegra 6R.
- Thermal cycler
- TCD Gelprinter plus image sensor.
- Transluminator Vilber Lourmat.

WORK TEAM:

- Mr. Salvador Soler Aleixandre, Dr. Agronomist, University Professor.
- Mr. Jaime Prohens Tomás, Dr. Agronomist, University Professor.
- Mr. Santiago Vilanova Navarro, PhD in Biological Sciences, Professor Doctor.

“OBTAINING VARIETIES OF CANNABIS (CANNABIS SATIVA) WITH HIGH CONTENT IN PHYTOCANNABINOIDES OF THERAPEUTIC INTEREST”.



Schedule (3 years):

- Development of a method of analysis of phytocannabinoids THC, CBD, CBC and CBG in industrial hemp varieties.
- Determination of the content in the phytocannabinoids THC, CBD, CBC and CBG in a collection of varieties of industrial hemp (20 varieties).
- Selection of varieties and / or individuals with high contents in CBD, CBC and / or CBG and low content in THC (varieties selected in previous objective).
- Development of hybrid varieties that accumulate high contents in CBD, CBC and CBG.



COMAV TEAMS FOR THE PROJECT:

- Molecular biology laboratory of the COMAV.
- Analysis laboratory of the COMAV.
- Climatic chambers of the COMAV.
- HPLC apparatus.
- Stove for determination of dry matter.
- Deionized water network.
- Binocular magnifying glass for observation of trichomes.

WORK TEAM:

- Mr. Salvador Soler Aleixandre, Dr. Agronomist, University Professor.
- Mr. Jaime Prohens Tomás, Dr. Agronomist, University Professor, Agronomist, Senior Laboratory Technician, Bachelor of Pharmacy Senior Laboratory Technician with Doctor degree.



BUDDHA SEEDS



RESEARCH AND DEVELOPMENT

From our own brand Buddha seeds, we work on the stabilization and improvement of cannabis genetics and we are especially focused on the production of the best auto flowering varieties.

Buddha Seeds employs cutting-edge techniques to achieve the best results. For this reason, we work closely with a qualified group of agronomists from the Universitat Politècnica de València, as well as biologists who carry out research and development tasks. Currently, Buddha Seeds has become a benchmark worldwide.

We develop varieties to offer you the best phenotypes of the market. That is why we are increasingly appreciated by the general public and requested by other companies to collaborate in the development of their varieties.

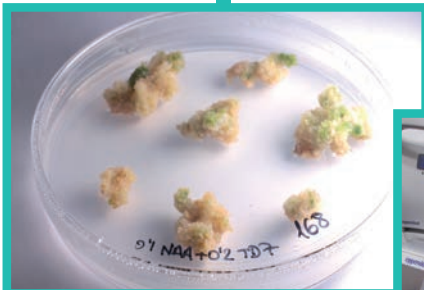


•Centrifuge



•Electrophoresis

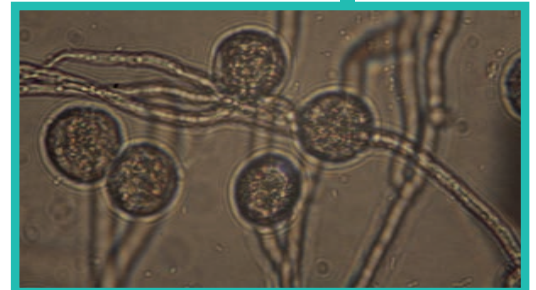
In Buddha Seeds we have developed a methodology that allows us to characterize the genes that encode the enzymes responsible for the synthesis of cannabinoids. Thanks to these technologies we can analyze the genome of newly planted seedlings and predict the profile of cannabinoids that they will synthesize in adult stage. This is a great advantage for the improvement program that we are carrying out, in which we choose the chemotype of our commercial cannabis varieties.



•In vitro culture



•Thermal cycler



•Germinated pollen

In Buddha Seeds we use techniques such as: selection assisted by molecular genetic markers, the analysis of cannabinoids and terpenes by gas chromatography with flame ionization detector, the propagation and maintenance of in vitro genetics, the creation and characterization of polyploid individuals, in order to obtain individuals with a great vegetative vigor and a high level of cannabinoids.



SPANISH SEEDS








- Company Name: Spanish Seeds, S.L.U
- Address: Poligono Industrial Beniparrell, Camino del Polio, 51, 46469 Beniparrell, Valencia.
- Contact information:

Email: info@spainseeds.com

Contact web page:

www.spainseeds.com
(Generic)

Other websites of own brands:

www.buddhaseedbank.com     
(Cannabis genetics)

www.seedmakers.com



COMPANY INFORMATION

• Place and date of constitution of the company: Valencia 30/03/2010

• **Representatives of the company:**
Ernesto Rafael Llosá Llácer.

Mission, vision and values:

MISSION:

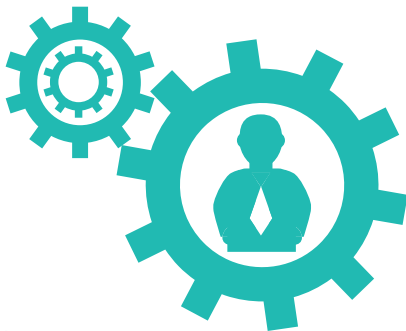
- Improve the genetics and generation of new varieties.
- Provide top quality cannabis seeds at a reasonable price.
- Take care of customer service.

VISION:

- Promote research on medicinal use.
- Increase national and international client portfolio.

VALUES:

- Encourage teamwork.
- Multidisciplinary team of agricultural engineers and biologists.
- Collaboration with Universitat Politècnica de València through several long-term programs.



PRODUCTS AND SERVICES

Spanish Seeds, SLU, is a company specialized in the distribution of cannabis seeds SPP, we select the best seeds, hybrids, indica and sativa, both in autoflowering seeds and photo-dependent through a careful selection of the best mothers. We have more than 150 varieties in catalog.

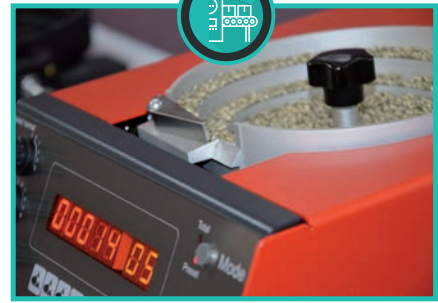




SPANISH SEEDS



WORK METHODOLOGY OF SPANISH SEEDS



- **SELECTION OF SEEDS:** During the whole process seeds are handled separately according to the plant of origin.
- **SIZE:** The seeds are sifted and only those with a minimum caliber of 2 mm are chosen.
- **COUNTER:** The selected seeds are counted and the samples are taken for the germination test.



- **CONSERVATION:** The seeds are stored packed by their individual of origin with silica gel according to their moisture content and are placed in a refrigerated room where they are kept with the optimum parameters of humidity and temperature.
- **TREATMENT OF FUNGI:** If potential contamination of fungi is detected in some seeds during the germination test, they are treated accordingly.
- **PACKAGING:** In the final phase, our seeds are packaged, coded and sealed to reach the customer in the best conditions.
- **GERMINATION TESTS:** After applying a 3-to-5 day recounting process, only the seeds that pass 90% of germination processes are selected for the market.
- **RESEARCH AND DEVELOPMENT:** All the items contain samples of selection that are analyzed in our laboratory with the gas chromatograph or the application of other techniques such as genetic sequencing.



BIOMAX SEEDS



COMPANY INFORMATION

- Business Name: BIOMAX SEEDS S.L.U
- Address: Partida de las fuentes, 2. 46822, Bolbaite (Valencia). España.
- Contact information:
Email: info@biomaxseeds.com



HUMAN RESOURCES

We have 11 people specialized in the sector.



COMPANY INFORMATION

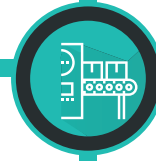
- Place and date of constitution of the company: España - 31/07/2019

- Representatives of the company:

Ernesto Rafael Llosá Llácer.

PRODUCTS AND SERVICES

Biomax is a Spanish company dedicated to the R&D of plant varieties, as well as the development of hemp varieties with a high content of phytocannabinoids of therapeutic interest. Biomax collaborates in research programs in the US and Canada.



The company has facilities of 5 hectares with 2.2 hectares occupied by greenhouses and five phytotrons.

Among the most well-known varieties registered by Biomax there is HURV19PAN, the first non-psychoactive variety (0.00% THC) with a high content of CBG (18%) developed by the company Hemp Trading in collaboration with the Polytechnic University of Valencia.

This variety, marketed as Panakeia and with great sales success in the US and Canada through agreements with prestigious local companies, has broken the legal barrier of "hot hemp". Thus, HURV19PAN is a variety free of psychoactive components and presents great economic benefits, much higher than CBD.



WORLDPHARMA BIOTECH



COMPANY INFORMATION

- Business Name: WORLDPHARMA BIOTECH
- Address: Parc Científic de la Universitat de València Calle Catedrático Agustín Escardino Benlloch, 9, Edificio 3 CUE, Lab.2.3446980 Paterna (Valencia)
- Telephone: (+34) 96 117 84 40
- Contact information:
- Email: info@info@worldpharma.eu
- Contact web page: www.worldpharma.eu



WorldPharma
The Natural Products Company



HUMAN RESOURCES

We have 10 people specialized in the sector.



COMPANY INFORMATION

- Place and date of constitution of the company: España -2014

- Representatives of the company:

Juan José García Miquel

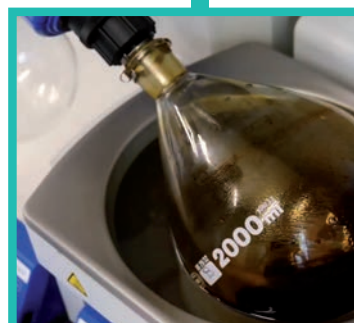
PRODUCTS AND SERVICES

Worldpharma Biotech is a lab specialized in the isolation, purification, and characterization of active principles extracted from vegetable sources. Its scope of application is based on the development of products for the cosmetic, pharmaceutical and nutraceutical industries, focusing on cannabinoids, nanotechnological products with cannabinoid and terpenoid active ingredients for industry, peptide matrices for the insertion of controlled-release cannabinoids, and emulsions and specialized ad hoc formulations for clinical and/or in vitro trials.



The activity of the laboratory is complemented by the production of phytotherapeutic food supplements with plant species of application in nutraceuticals.

The company is registered in the Spanish Agency for Medicines and Health Products (AEMPS) as a manufacturer, importer and distributor of active ingredients for medicines for human and veterinary use and raw materials for the manufacture of dermocosmetic products. It also has authorization granted by the AEMPS for the cultivation of Cannabis plants for research purposes for validation trials in the manufacture of medicines and the design of preclinical studies.





SIEMBRA

COMPANY INFORMATION



- Business Name: Siembra SPA.
- Address: Presidente Jorge Alessandri R. N° 11500, San Bernardo, Santiago de Chile
- Telephone: (+56) 9 5168 3427 - (+56) 9 5667 7936
- Contact information:
- Email: info@siembrachile.com
- Contact web page:
- www.siembrachile.com



HUMAN RESOURCES

We have a total of 22 employees in all areas of the company, General Manager, Sales Manager, Warehouse Manager, Sellers, Administration and Delivery.



COMPANY INFORMATION

- Place and date of constitution of the company:
Santiago de Chile - 02/11/2011
- **Representatives of the company:**
Ernesto Rafael Llosá Llácer, represented by María Santaaulalia Lorente.

PRODUCTS AND SERVICES:

- Siembra Chile is a company dedicated to the import, export and wholesale of technical gardening items.

Our wide range of lighting, hydroponics, ventilation, substrates, fertilizers, covers all the needs of professionals in the sector.



CANAFERT

CANAFERT



COMPANY INFORMATION

- Business Name: Canafert, S.R.L.
- Address: Coronel Francisco Uzal 3699, cp1636 , Olivos, Buenos Aires , Argentina
- Contact information:
Email: info@canafertsrl.com

CANAFERT



HUMAN RESOURCES

We have 8 people specialized in the sector.



COMPANY INFORMATION

- Place and date of constitution of the company: Argentina - 20/05/2013

- Representatives of the company:

Ernesto Rafael Llosá Llácer.

PRODUCTS AND SERVICES

Company specialized in manufacturing and selling fertilizers .





- Business Name: Agrícola Fermax, S.R.L.
 - Address: C\ 18 de Julio, 856, piso 3 esq. Andes. Montevideo, Uruguay.
 - Telephone: (+598) 099140470
- Contact web page:
www.agricolafermax.com



HUMAN RESOURCES

We have 3 people specialized in the sector.



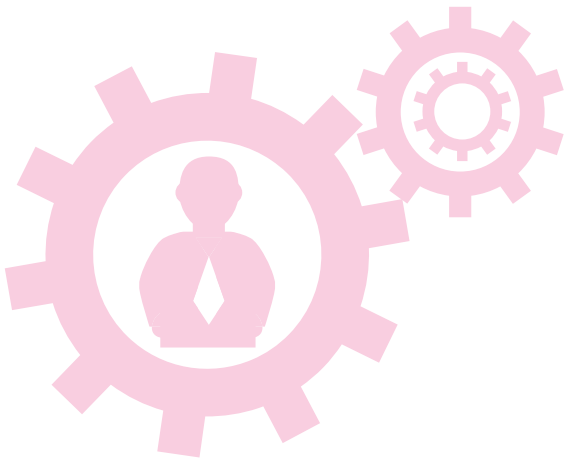
COMPANY INFORMATION

- Place and date of constitution of the company: Uruguay - 10/12/2018
- Representatives of the company:

Ernesto Rafael Llosá Llácer.

PRODUCTS AND SERVICES

We are focused on the genetic development, registration of cannabis varieties and CBD production.





SATIVA DISTRIBUCIONES

COMPANY INFORMATION



- Business Name: Sativa distribuciones S.A.S.
- Address: Calle 124 # 7 - 35 oficina 701 Bogotá.
- Contact information:
Phone: (+ 57) 1 5111947
Email: info@sativadistribuciones.com
Contact web page: www.sativadistribuciones.com



COMPANY INFORMATION

- Place and date of constitution of the company:
Colombia - 02/11/2011
- Representatives of the company:
Iván Darío Bravo Hernández
Ernesto Rafael Llosá Llácer.

PRODUCTS AND SERVICES

Sativa Distribuciones was born to provide professional solutions to people and companies that wish to grow cannabis for medicinal purposes. We provide a tailored service to our customers and we offer our wide range of products for cultivation.

We are a professional company with over 6 years of experience in the import and export of products for agriculture and technical horticulture. We rely on a team specialized in the cultivation of therapeutic cannabis and with the common goal of supporting growers with professional products for a booming sector.

We have three departments: Logistics, Consultancy for obtaining licenses and distribution of a wide catalog of our products related to the crop.



LOGISTICS

Our logistics department is one of the most competitive in the market. The deliveries are carefully prepared and both routes and shipments are made with total security.



OUR PRODUCTS

High quality products for professional cultivation. The quality must not be at odds with the price, in our products you will find excellent price and professional quality.



CONSULTANCY FOR LICENSES PROCESSES

We put at your service the professionals of our company to process licenses for cultivation, seed source, production, manufacture and export.



III CANNABIS CONGRESS

Sativa Distribuciones has organized for the third consecutive year the Congress of Therapeutic and Industrial Cannabis which will be held in Expo Bogota Cannabis on 16 November 2018.



