

The background of the entire page is a close-up photograph of a cannabis plant. The leaves are green with serrated edges, and the central flower bud is covered in trichomes, appearing as fine white hairs. The lighting is soft, highlighting the texture of the plant.

PRODUCT PORTFOLIO

This presentation is meant to provide a general overview of the potential uses of these ingredients, including dietary, supplemental and pharmaceutical applications, as substantiated by targeted studies. However, it is not intended to provide legal advice on the possible use of the product in any specific market. Please check the applicable laws and regulations in your country of interest.

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1.1 LINNEA ACCOMPLISHMENTS

UNPARALLEL ACTIVE PHARMACEUTICAL INGREDIENTS

40+

YEARS OF
EXPERIENCE

since
1982

2,000+

TONS OF
PURCHASED
RAW MATERIAL
PER YEAR



100+

EMPLOYEES

Manufactured
in Switzerland



70+

COUNTRIES IN THE
5 CONTINENTS
WORLDWIDE



300+

CLIENTS
DELIVERED TO
EVERY YEAR



24/7

MANUFACTURING



1.2 STEPS TO QUALITY

COMMITMENT TO CONTINUOUS IMPROVEMENT

RESEARCH AND DEVELOPMENT

We are committed to continuous research and development to expand what is possible and create innovative therapeutic solutions.



CULTIVATION AND RAW MATERIALS

We select only the highest quality raw materials that are GACP compliant and following stringent standards from our trusted international cultivators.



MANUFACTURING PROCESS

Our entire manufacturing processes take place in our GMP certified facility in Switzerland with respect to our community and environment.



GREEN SPIRIT

We are dedicated to sustainability in all we do and practice many beneficial environmental initiatives to help the community and world we live in.



SUPPLY CHAIN

Safety, quality, support and professionalism are high standards applied to all logistics ensuring you have a partner you can trust and products you can always rely on.



1.3 GREEN SPIRIT

OUR BIOGAS PLANT: GIVING BACK TO MOTHER NATURE



The **Linnea biogas plant** is just one of the many ways in which we are committed to **sustainable ethical business practices** and helping the important **Swiss community** and landscape that we are a part of.

1.4 SUPPLY CHAIN CONTROL

From harvest to customer full supply chain monitoring



GACP EUROPEAN CULTIVATIONS



GMP SWISS MANUFACTURING



GLOBAL SALES PRESENCE

1.5 LINNEA CANNABINOIDS

TIMELINE

2014	Cannabis kick-off project
2016	Swissmedic GMP-certificate for CBD extract
2017	Federal Office for Public Health (FOPH) authorization THC products* Swissmedic GMP certificate for Cannabis Extracts and Pure CBD Swissmedic authorization: Pharmaceutical Preparations for Clinical Trials, Pharmacies**
2018	Investigational Medicinal Product Dossier (IMPD) for CBD
2020	Novel Food Application for CM05 and CBD in EU and UK
2021	Swissmedic authorization for CG05 (Cannabigerol 5%) CBD Novel Food dossier validation by the FSA (UK) & EFSA (EU)
2022	Swissmedic Narcotic License release (THC) Swissmedic Narcotic License release (THC)
2023	New products under development

*Special authorization/exemption from federal law for Swiss Distribution. ** (Pharmaceutical Preparations Ph. Eur. 07/2018:2619) in compliance with GMP Part II.

1.6 EXTRACTION & PURIFICATION

From plant to standardized solutions

INTRODUCTION

Linnea[®]
CANNABINOIDS

FULL SPECTRUM EXTRACTS are obtained by a solvent extraction method

Maximized concentration of Cannabinoids

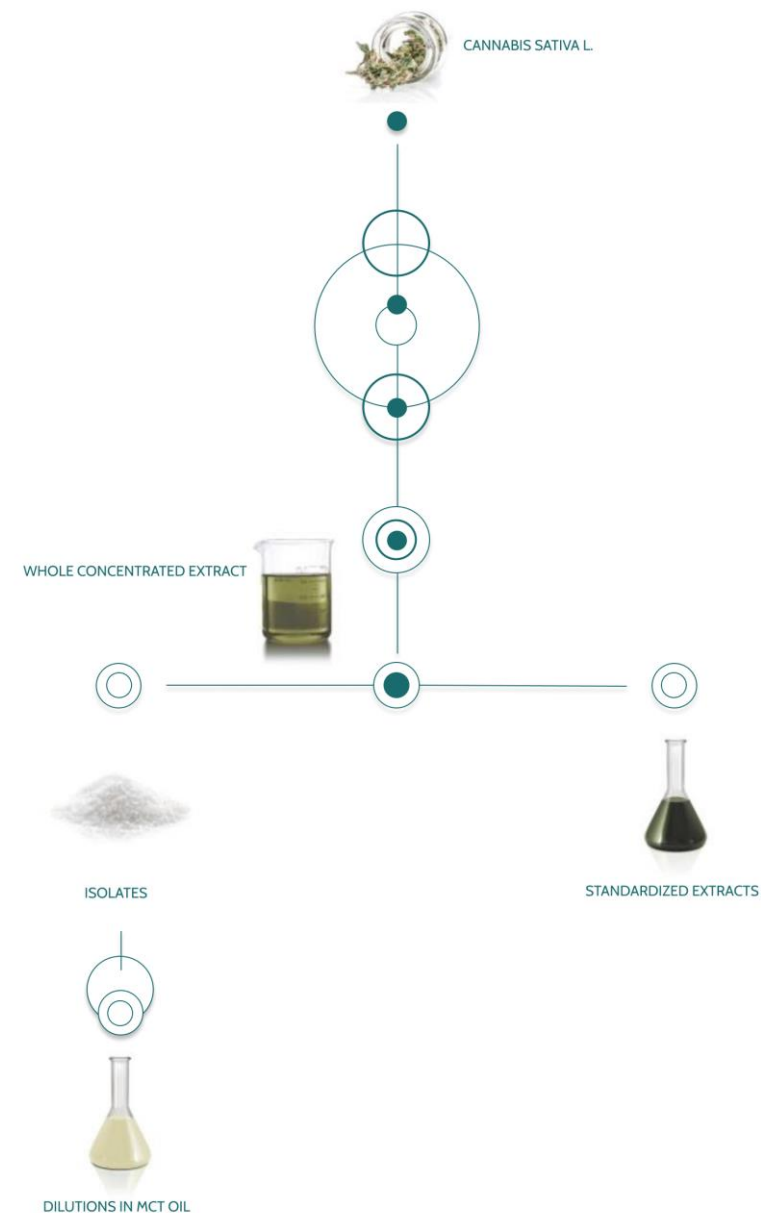
ISOLATED Cannabinoids are obtained by a solvent extraction/crystallization method

Pure compound

Low impurities



GMP
SITE CERTIFIED



CBD PRODUCTS

2.1 CANNABIDIOL

A full combination of benefits

Cannabidiol interacts with more than 65 molecular targets (identified to date), mainly located in brain and immune system.

Safety*



Excellent safety profile, high therapeutic index and mild side effects.

Efficacy*



Very low affinity with endocannabinoid receptors, produces numerous therapeutic effects.

Administration*



Capsules, tablets, oil solutions, sublingual, intranasal and transdermal.

*WHO Fortieth meeting of the Expert Committee on Drug Dependence (ECDD), 2018

2.2 CANNABIDIOL

Main potential uses

Pharma Grade

- Epilepsy
- Sleeplessness
- Schizophrenia
- Dementia
- Diabetes
- Nausea
- Anxiety
- Chronic pain
- Psoriasis
- Autism

Food Grade

- Antioxidative
- Anti-inflammatory
- Neuroprotective effects

Veterinary

- Anxiety
- Sleeplessness
- Chronic pain

2.3 neaXTRACTA® CBD 5%

CANNABINOID EXTRACTS

Full spectrum extract 5% Cannabidiol, standardized

These **Oil solutions** are extracted, purified and **standardized**. They are obtained with solvent extraction using ethanol. More than 40% of the extract is the **phytocomplex**, which is synergic with Cannabidiol.

Their carrier is **MCT oil Ph Eur***, a stable carrier with no odour or flavour.



**Medium Chain triglycerides (MCT) oil, Ph. Eur grade*

Linnea Cannabinoid presentation 17-8-2023



Available grades



Pharma

Dietary

Cosmetic

2.4 neaPURE® CBD 99%

CANNABINOID ISOLATES

Isolated Cannabidiol with a high level of purity
(98 - 102%)

obtained with a **multi-step extraction process**
that makes the compound crystalline.



Available grades



Pharma

Dietary

Cosmetic

2.5 neaPURE® CBD 20%

CANNABINOID DILUTIONS

Isolate Cannabidiol 20% in MCT* oil

The Dilutions products are based on Pure Cannabidiol with a high level of standardization (98 - 102%) and MCT* oil Ph Eur, a stable carrier with no odour and flavour.

*Medium Chain triglycerides (MCT) oil, Ph. Eur grade

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Available grades



Pharma

Dietary

Cosmetic

2.6 WHITE LABEL PREPARATIONS

Cannabidiol in amber glass

	neaXTRACTA® CANNABINOID EXTRACTS CBD 5%	neaPURE® CANNABINOID DILUTIONS CBD 20%
Pharmaceuticals <i>10 & 30 ml vials</i>	✓	✓ *
Dietary Ingredients <i>10 & 30 ml vials</i>	✓	✓ *

*only available in 30 ml

Minimum order quantity: 5.000 Vials for the 30 ml and 10.000 for the 10 ml



Available grades



Pharma

Dietary

2.7 NioSkin®

NIOSOME COSMETIC INGREDIENTS

Patented cosmetic technology with Cannabidiol
1% or 5% with enhanced skin properties.

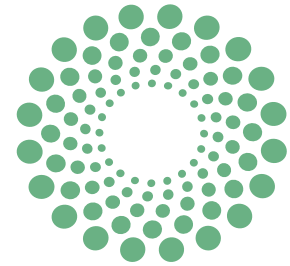
- NioSkin® CBD1 – Ingredient for aging and daily care
- NioSkin® CBD5 – Soothing cosmeceutical ingredient

LINNEA
CANNABINOID



+

NIOSOME
TECHNOLOGY



=

NioSkin®
NIOSOME COSMETIC INGREDIENTS



CBG PRODUCTS

3.1 CANNABIGEROL

A unique combination of benefits

Cannabigerol is a powerful anti-inflammatory molecule with high clinical potential.

Biological Balance

Mood, pain, immune system,
inflammation, etc.



ECS*

Similar but weaker than THC, increased
endocannabinoid levels like CBD

Sensations

Pain, temperature, taste,
pressure, vision



TRP** channels

Similar to CBD

Relaxation

Sedation, analgesia, blood
pressure, heartrate,
cognitive function



Adrenergic system

Unique to CBG

*ECS: endocannabinoid system **TRP: transient receptor potential

3.2 CANNABIGEROL

Potential uses

Pharma Grade

- Inflammation
- IBD-related pain and inflammation*
- Neuroinflammatory diseases
- Intraocular pressure

Food Grade

- Oxidative stress
- Dental plaque
- Irritable bowel syndrome
- Neurodegeneration
- Skin irritation and dryness

3.3 neaXTRACTA® CBG 5% CANNABINOID EXTRACTS

Full spectrum extract 5% Cannabigerol, standardized

These **Oil solutions** are extracted, purified and **standardized**. They are obtained with solvent extraction using ethanol. More than 40% of the extract is the **phytocomplex**, which is synergic with Cannabigerol.

Their carrier is **MCT oil Ph Eur***, a stable carrier with no odour or flavour.



**Medium Chain triglycerides (MCT) oil, Ph. Eur grade*

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Available grades



Pharma

Dietary

Cosmetic

3.4 neaPURE® CBG 99%

CANNABINOID ISOLATES

Isolated Cannabigerol with a high level of purity
(98 - 102%)

obtained with a **multi-step extraction process**
that makes the compound crystalline.



**Under development*

Linnea Cannabinoid presentation 17-8-2023



Available grades



Pharma*

Dietary

Cosmetic

3.5 neaPURE® CBG 20%

CANNABINOID DILUTIONS

Isolate Cannabigerol 20% in MCT* oil

The Dilutions products are based on Pure Cannabigerol with a high level of standardization (98 - 102%) and MCT* oil Ph Eur, a stable carrier with no odour and flavour.



Available grades



Pharma*

Dietary

Cosmetic

* Under development

**Medium Chain triglycerides (MCT) oil, Ph. Eur grade

3.6 WHITE LABEL PREPARATIONS

Cannabigerol in amber glass

neaXTRACTA[®]
CANNABINOID EXTRACTS

CBG 5%

Pharmaceuticals

10 ml vials



Dietary Ingredients

10 ml vials



Minimum order quantity: 10.000 Vials



Available grades



Pharma

Dietary

4.9 PIPELINE

THC EXTRACTS

TH1	Cannabis sativa L. extract 1%THC
TH5	Cannabis sativa L. extract 5%THC
TH25	Cannabis sativa L. extract 25%THC
TH75	Cannabis sativa L. extract 75%THC
THC:CBD	Cannabis sativa L. extract THC:CBD in combinations

PURE THC

THC	Isolated THC > 90%
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CBD:CBG COMBINATIONS

1:1	Cannabis sativa L. extract 2.5% CBD and 2.5% CBG
1:1	Cannabis sativa L. extract 5% CBD and 5% CBG
2:1	Cannabis sativa L. extract 5% CBD and 2.5% CBG
1:2	Cannabis sativa L. extract 2.5% CBD and 5% CBG

**All the extracts comes standardized*



PORTFOLIO

4.1 LINNEA® CANNABINOIDS

A TREASURE TROVE OF ACTIVE INGREDIENTS JUST WAITING TO BE REDISCOVERED.
LINNEA'S THERAPEUTIC CANNABINOID SOLUTIONS ARE THE CULMINATION OF MORE
THAN FOUR DECADES OF EXPERIENCE AND UNRIVALED ATTENTION TO QUALITY.

PORTFOLIO | Linnea

PLANT
Cannabis sativa L.

PART OF THE PLANT USED
Aerial parts

neaXTRACTA® CANNABINOID EXTRACTS

PRODUCT

CANNABINOID EXTRACTS

- | | | | | |
|----------|------------------------|----------------------|-----------|------------|
| ▪ CBD 5% | ▪ CBD 2.5% : CBG 5%* | ▪ CBD 5% : CBG 5%* | ▪ THC 1%* | ▪ THC 25%* |
| ▪ CBG 5% | ▪ CBD 2.5% : CBG 2.5%* | ▪ CBD 5% : CBG 2.5%* | ▪ THC 5%* | ▪ THC 75%* |

USES + PHARMACEUTICAL  DIETARY INGREDIENTS  COSMETIC INGREDIENTS  PHARMACEUTICAL MAGISTRAL PREPARATION

**for pharmaceuticals under development*

4.2 LINNEA® CANNABINOIDS

A TREASURE TROVE OF ACTIVE INGREDIENTS JUST WAITING TO BE REDISCOVERED.
LINNEA'S THERAPEUTIC CANNABINOID SOLUTIONS ARE THE CULMINATION OF MORE
THAN FOUR DECADES OF EXPERIENCE AND UNRIVALED ATTENTION TO QUALITY.

PORTFOLIO | Linnea

PLANT
Cannabis sativa L.

PART OF THE PLANT USED
Aerial parts

neaPURE®
CANNABINOID ISOLATES

neaPURE®
CANNABINOID DILUTIONS

NioSkin®
NIOSOME COSMETIC INGREDIENTS

PRODUCT	CANNABINOID ISOLATES	CANNABINOID DILUTIONS
	<ul style="list-style-type: none">▪ CBD 99%**▪ CBG 99%* **	<ul style="list-style-type: none">▪ CBD 20%▪ CBG 20%

NIOSOME COSMETIC INGREDIENT
<ul style="list-style-type: none">▪ CBD 1%▪ CBD 5%

USES + PHARMACEUTICAL  DIETARY INGREDIENTS  COSMETIC INGREDIENTS

 COSMETIC INGREDIENTS

* for pharmaceuticals under development

** Specification: 98.0% - 102.0%

Linnea Cannabinoid presentation 17-8-2023

4.3 LINNEA CANNABIS EXTRACTS

APAC & EUROPE



MediCabilis oil
SPECIAL ACCESS
SCHEME PRESCRIPTION
CBD OIL
Australia

IN THE MARKET (12/18)



CBII
FOOD SUPPLEMENTS
CBD OIL
United Kingdom

IN THE MARKET (06/20)



CBII
FOOD SUPPLEMENTS
CBD SOFT GEL
United Kingdom

IN THE MARKET (06/20)



4.4 LINNEA CANNABIS EXTRACTS

CBD PRODUCTS IN LATAM



EPIFRACTÁN
CANNABIS EXTRACT
Perú, Uruguay

IN THE MARKET
(12/17)



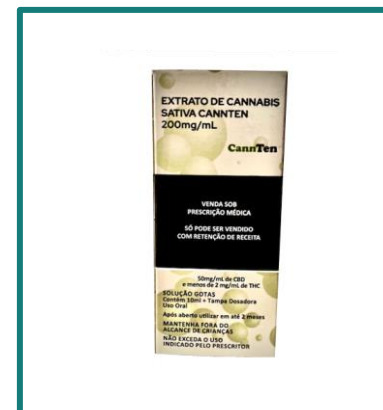
PROMEDIOL-BIOLAB
CANNABIS EXTRACT
Brazil

IN THE MARKET
(launch 03/22)



ZION
CANNABIS EXTRACT
Brazil

IN THE MARKET
(launch 06/22)



CANNATEN
CANNABIS EXTRACT
Brazil

IN THE MARKET
(launch 09/23)



4.5 LINNEA CANNABIS ISOLATES

CBD PRODUCTS IN LATAM



CONVUPIDIOL

CBD ISOLATE

Argentina, Uruguay, Chile

IN THE MARKET
(06/21)

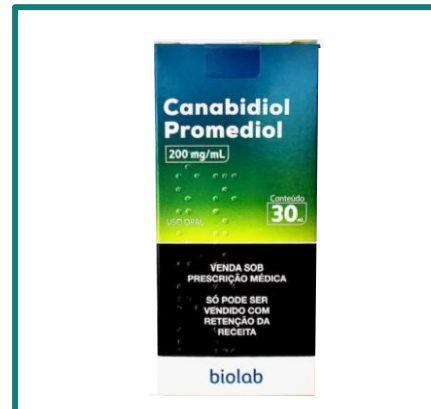


XALEX 10

CBD ISOLATE

Uruguay

IN THE MARKET
(12/21)



PROMEDIOL-BIOLAB

CBD ISOLATE

Brazil

IN THE MARKET
(05/23)



CONVUPIDIOL

CBD ISOLATE

Bolivia, Ecuador,
Paraguay, Perú

ONGOING
REGISTRATION



4.6 LINNEA NIOSKIN CBD PRODUCTS

CBD PRODUCTS IN LATAM AND EUROPE



CANNABIPIEL
NIOSKIN® CBD1
Uruguay

IN THE MARKET
(2018)



DERMABIDIOL
NIOSKIN® CBD5
Argentina

IN THE MARKET
(2021)



CEBEDERM
NIOSKIN® CBD5
Spain

IN THE MARKET
(2022)



4.7 LINNEA NIOSKIN CBD PRODUCTS

CBD PRODUCTS IN LATAM



KUIDA
NIOSKIN[®] CBD1
Colombia

IN THE MARKET
(2020)



KALMFRESH
NIOSKIN[®] CBD1
Colombia

IN THE MARKET
(2021)



NATURALPOWER
NIOSKIN[®] CBD1
Colombia

IN THE MARKET
(2022)



4.8 LINNEA NIOSKIN CBD PRODUCTS

CBD PRODUCTS IN LATAM



ATLETIC'S
NIOSKIN® CBD1
Colombia

IN THE MARKET
(2019)



MENTICOL
NIOSKIN® CBD1
Colombia

IN THE MARKET
(2019)






















HERBAL BEAUTY
NIOSKIN® CBD1
Colombia

IN THE MARKET
(2020)



4.10 LINNEA COMMITMENT

QUALITY IS OUR MEASURE OF EXCELLENCE

 GMP CERTIFIED SITE	 GMO FREE	 GACP COMPLIANT	 HACCP STANDARDS COMPLIANT	 VEGAN	 ALLERGEN FREE	 FOCUS ON RESEARCH
 TRUST AND EXPERIENCE	 SUPPLY CHAIN TRACEABILITY	 GREEN SPIRIT	 MANUFACTURED IN SWITZERLAND	 CANNABIS EDUCATION	 CUSTOMIZED SOLUTIONS	 PRE/POST SALES SUPPORT
 COUNTRIES REACHED	 CLIENTS PER YEAR	 ECOVADIS SILVER	 ATEX	 HALAL	 KOSHER	Request our certifications at sales@linnea.ch

5 SERVICES

SERVICES FOR THE CANNABINOID INDUSTRY

CUSTOM WHITE LABEL

Linnea is able to utilize our unique formulations and advanced equipment to support you with your own branded products.

All products are GMP certified. Stability data and DMF are available to start the registration process.

LABORATORY ANALYSIS

Linnea provides laboratory testing services for cannabinoid products. Our experienced team will give you the best support.

PRODUCT DEVELOPMENT SERVICES

Linnea's R&D team supports your development projects. Let's discuss your ideas.

CLINICAL STUDY SUPPORT

Do you need samples prepared for your clinical study. Linnea is certified to produce the products needed.

EYXAPIΣΤΩ

GRACIAS

DANKE

MERCI

THANK YOU

谢谢你

GRAZIE

OBRIGADO