



# 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.

# TABLE OF CONTENTS



1	INTRODUCTION
2	CBD PRODUCTS
3	CBG PRODUCTS
4	PORTFOLIO
5	SERVICES

# 1.1 LINNEA ACCOMPLISHMENTS

UNPARALLEL ACTIVE PHARMACEUTICAL INGREDIENTS

40+

YEARS OF  
EXPERIENCE



2,000+

TONS OF  
PURCHASED  
RAW MATERIAL  
PER YEAR



100+

EMPLOYEES



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.



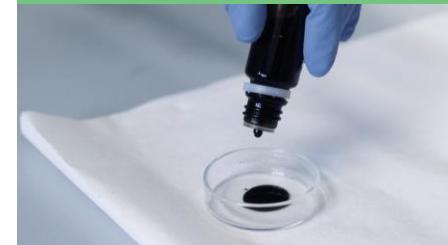
## CULTIVATION AND RAW MATERIALS

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.



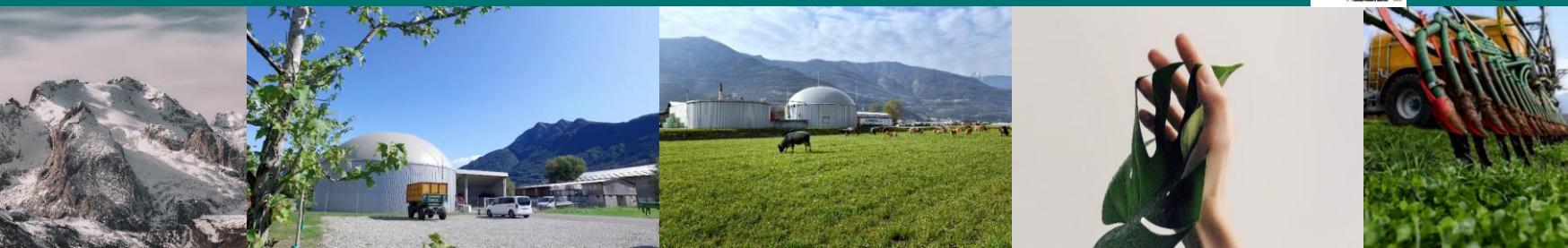
## SUPPLY CHAIN

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 CANNABINOID

## TIMELINE

---

<b>2014</b>	Cannabis kick-off project
<b>2016</b>	Swissmedic GMP-certificate for CBD extract
<b>2017</b>	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**
<b>2018</b>	Investigational Medicinal Product Dossier (IMPD) for CBD
<b>2020</b>	Novel Food Application for CM05 and CBD in EU and UK
<b>2021</b>	Swissmedic authorization for CG05 (Cannabigerol 5%) CBD Novel Food dossier validation by the FSA (UK) & EFSA (EU)
<b>2022</b>	Swissmedic Narcotic License release (THC) Swissmedic Narcotic License release (THC)
<b>2023</b>	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

**FULL SPECTRUM EXTRACTS** are obtained by a solvent extraction method

**Maximized concentration of Cannabinoids**

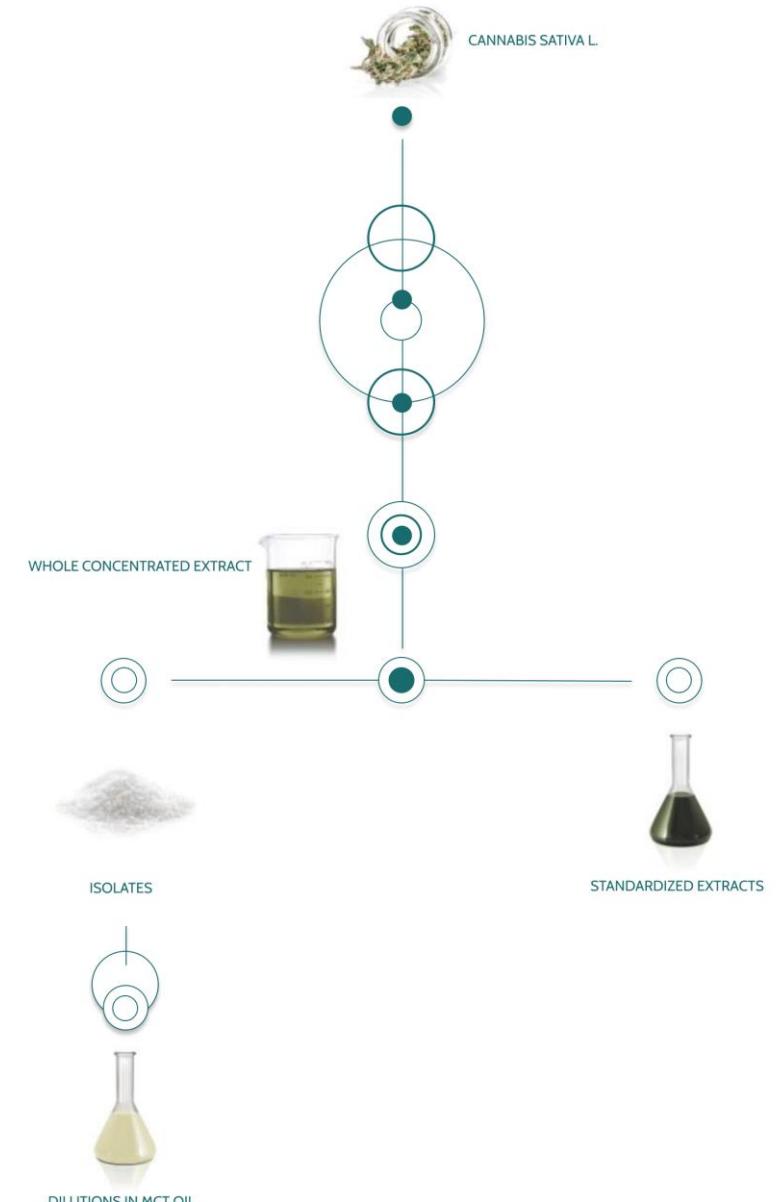
**ISOLATED** Cannabinoids are obtained by a solvent extraction/crystallization method

**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.

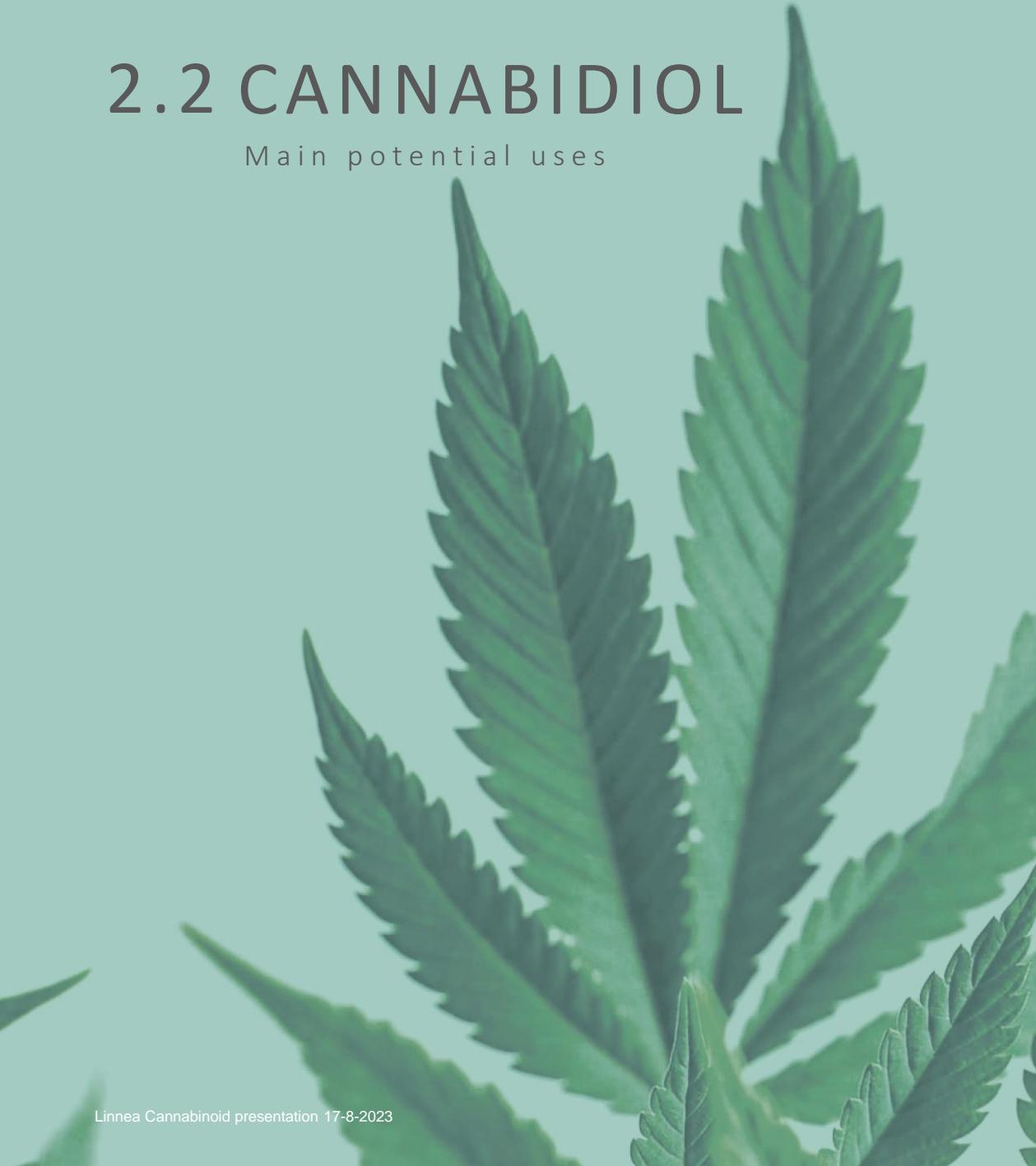
## Administration\*



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

## 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

CBD PRODUCTS |  Linnea®  
CANNABINOID

## 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.



GMP  
SITE CERTIFIED



GACP  
COMPLIANT



Available grades



Pharma

Dietary

Cosmetic

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

# 2.4 neaPURE® CBD 99%

CANNABINOID ISOLATES

CBD PRODUCTS |  Linnea®  
CANNABINOIDIS

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

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



Available grades



GMP  
SITE CERTIFIED



GACP  
COMPLIANT

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.



Available grades



Pharma

Dietary

Cosmetic

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

# 2.6 WHITE LABEL PREPARATIONS

Cannabidiol in amber glass



**neaTRACTA<sup>®</sup>**  
CANNABINOID EXTRACTS

CBD 5%

**neapURE<sup>®</sup>**  
CANNABINOID DILUTIONS

CBD 20%

## Pharmaceuticals

10 & 30 ml vials



## Dietary Ingredients

10 & 30 ml vials



\*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

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

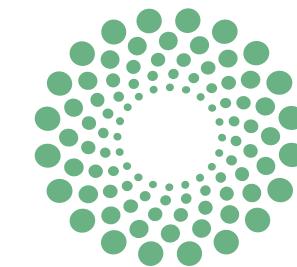
- NioSkin® CBD1 – Ingredient for aging and daily care
- NioSkin® CBD5 – Soothing cosmeceutical ingredient

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



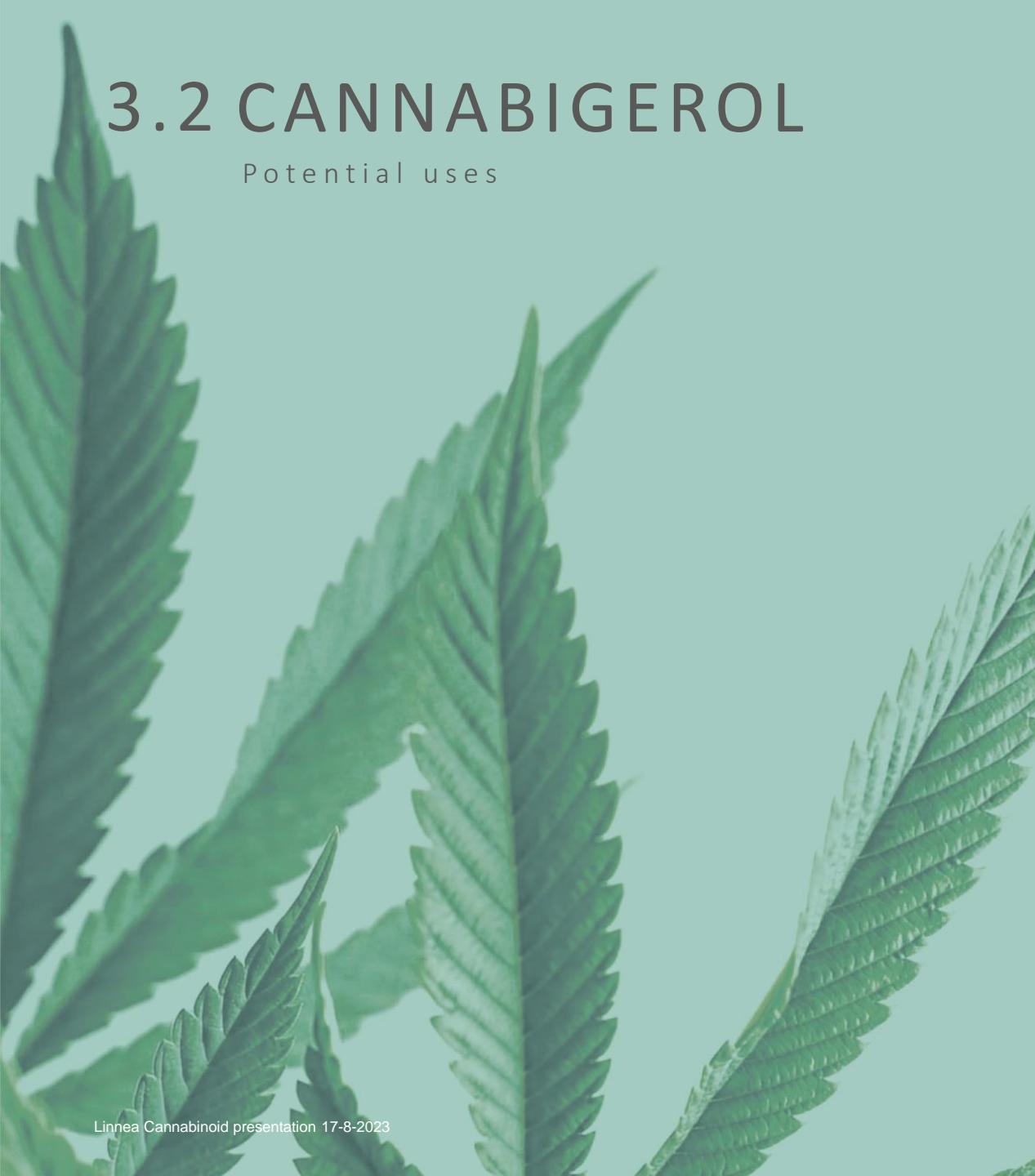
### Adrenergic system

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.



GMP  
SITE CERTIFIED



GACP  
COMPLIANT



Available grades



Pharma

Dietary

Cosmetic

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

# 3.4 neaPURE®CBG 99%

CANNABINOID ISOLATES

CBG PRODUCTS |  Linnea®  
CANNABINOIDIS

**Isolated Cannabigerol** 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



GMP  
SITE CERTIFIED



GACP  
COMPLIANT

\*Under development

# 3.5 neaPURE®CBG 20%

CANNABINOID DILUTIONS

CBG PRODUCTS |  Linnea®  
CANNABINOID

## 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

Linnea Cannabinoid presentation 17-8-2023

# 3.6 WHITE LABEL PREPARATIONS

Cannabigerol in amber glass



**neXTRACTA<sup>®</sup>**  
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%

## 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® CANNABINOID

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 | 

PLANT  
Cannabis sativa L.

PART OF THE PLANT USED  
Aerial parts

**neaxTRACTA®**  
CANNABINOID EXTRACTS

## PRODUCT

## CANNABINOID EXTRACTS

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

## USES

+ PHARMACEUTICAL

DIETARY INGREDIENTS

COSMETIC INGREDIENTS

PHARMACEUTICAL MAGISTRAL PREPARATION

\*for pharmaceuticals under development

# 4.2 LINNEA® CANNABINOID

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

- CBD 99%\*\*
- CBG 99%\* \*\*

USES

+ PHARMACEUTICAL

DIETARY INGREDIENTS

COSMETIC INGREDIENTS

\* for pharmaceuticals under development

\*\* Specification: 98.0% - 102.0%

Linnea Cannabinoid presentation 17-8-2023

NIOSOME COSMETIC  
INGREDIENT

- CBD 1%
- CBD 5%

COSMETIC INGREDIENTS

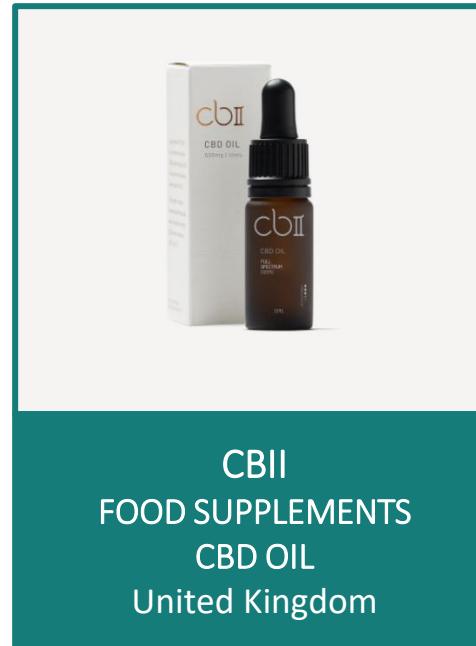
# 4.3 LINNEA CANNABIS EXTRACTS

APAC & EUROPE

PORTFOLIO |  Linnea<sup>®</sup>  
CANNABINOID



IN THE MARKET (12/18)



IN THE MARKET (06/20)



IN THE MARKET (06/20)



# 4.4 LINNEA CANNABIS EXTRACTS

CBD PRODUCTS IN LATAM



**EPIFRAC TÁN**  
CANNABIS EXTRACT  
Perú, Uruguay

IN THE MARKET  
(12/17)



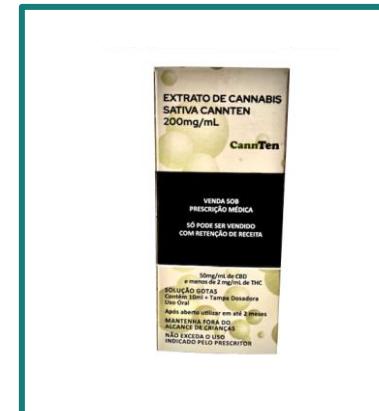
**PROMEDIOL-BIOLAB**  
CANNABIS EXTRACT  
Brazil

IN THE MARKET  
(launch 03/22)



**ZION**  
CANNABIS EXTRACT  
Brazil

IN THE MARKET  
(launch 06/22)



**CANNTEN**  
CANNABIS EXTRACT  
Brazil

IN THE MARKET  
(launch 09/23)



# 4.5 LINNEA CANNABIS ISOLATES

CBD PRODUCTS IN LATAM



IN THE MARKET  
(06/21)

IN THE MARKET  
(12/21)

IN THE MARKET  
(05/23)

ONGOING  
REGISTRATION



# 4.6 LINNEA NIOSKIN CBD PRODUCTS

CBD PRODUCTS IN LATAM AND EUROPE



# 4.7 LINNEA NIOSKIN CBD PRODUCTS

CBD PRODUCTS IN LATAM



IN THE MARKET  
(2020)



IN THE MARKET  
(2021)



IN THE MARKET  
(2022)



# 4.8 LINNEA NIOSKIN CBD PRODUCTS

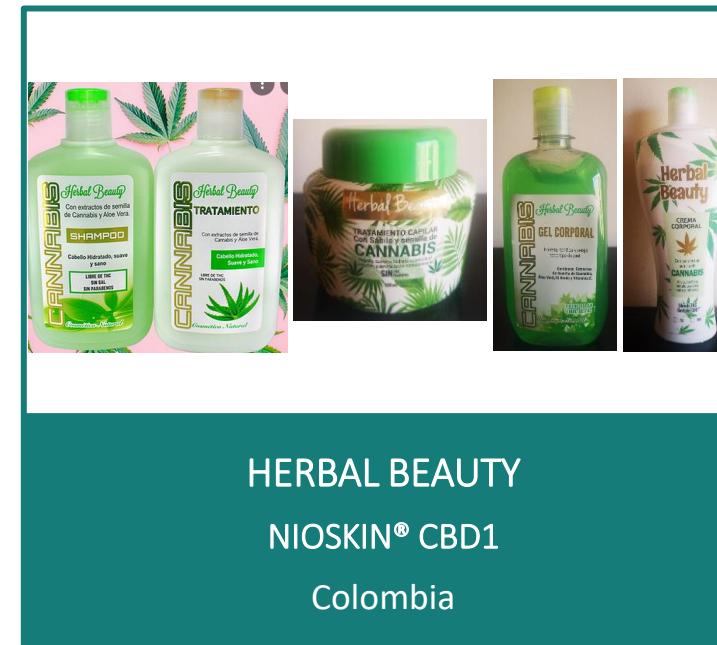
CBD PRODUCTS IN LATAM



IN THE MARKET  
(2019)



IN THE MARKET  
(2019)



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



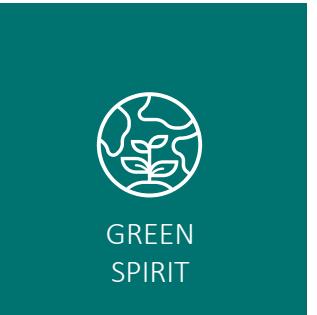
FOCUS ON  
RESEARCH



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](mailto: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.

ΕΥΧΑΡΙΣΤΩ

GRACIAS

DANKE

MERCI

THANK YOU

谢谢你

GRAZIE

OBRIGADO