

# CANNABINOIDS CBD'S FOR HUMANS AND PETS

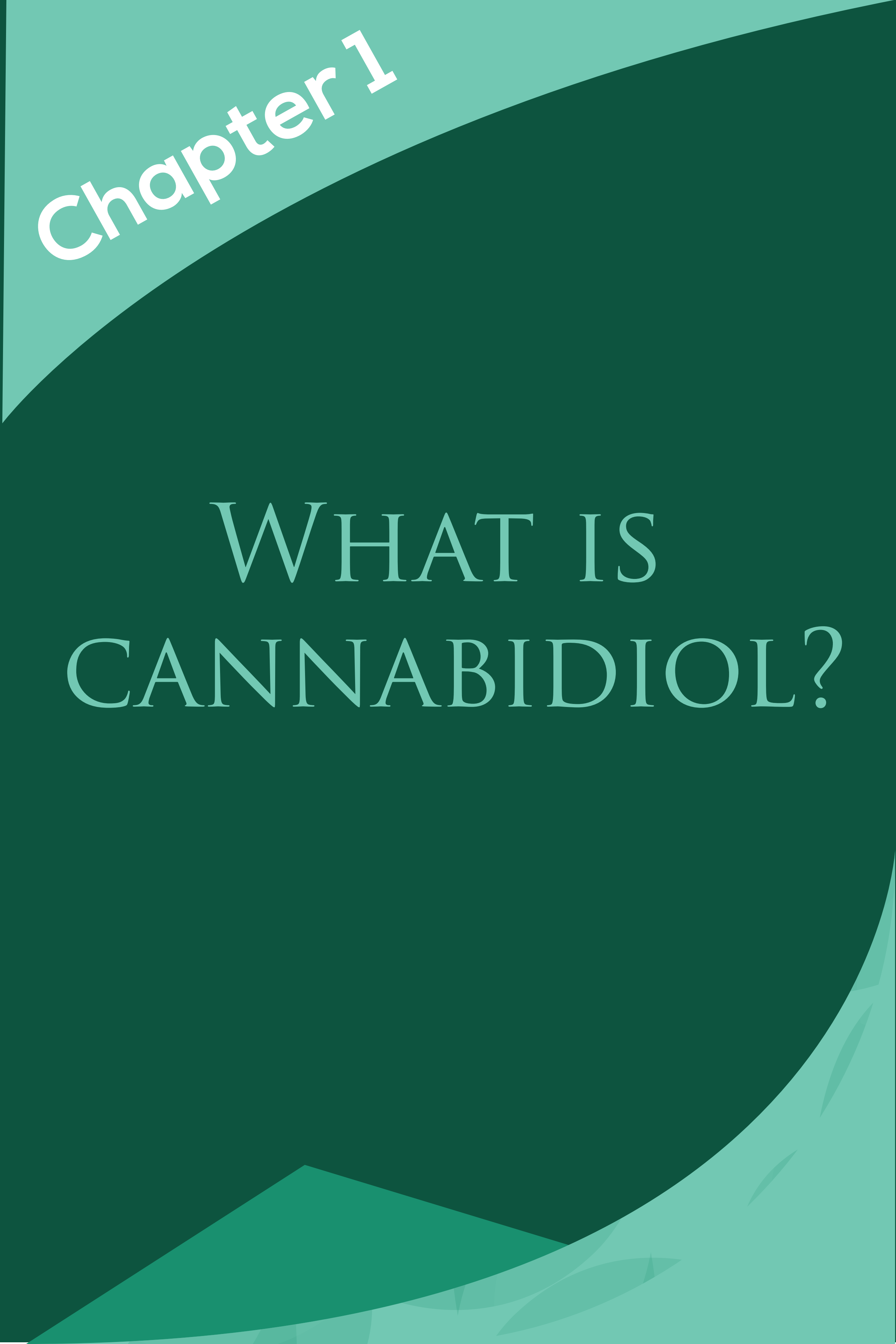
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# Chapter 1

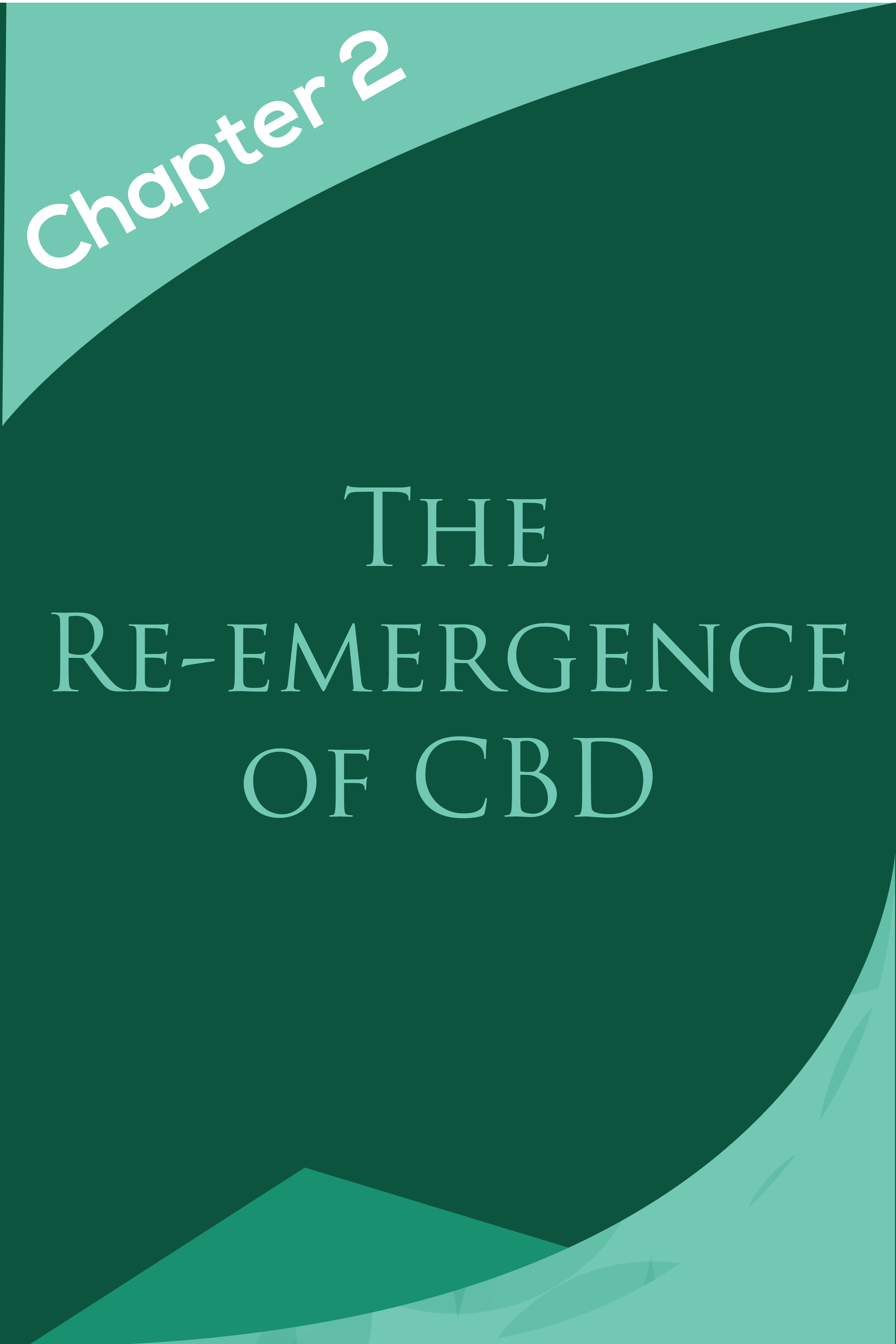
## WHAT IS CANNABIDIOL?

# What is cannabidiol?

CBD or Cannabidiol is one of the 60 compounds found in cannabis and belongs to the same class of compounds as of cannabinoids. THC and CBD are the two of the most famous and widely studied compounds which belong to this group. It is important to note here that CBD, unlike THC, doesn't give the feeling of high' and can cancel the psychoactivity of THC. The cannabis products can be classified into two classes based on the concentration of CBD: the ones with an equal concentration of CBD and THC are referred to as 'CBD-rich' while the ones with a higher concentration of CBD are known as 'CBD dominant products.' These products, particularly the strains of CBD rich cannabis are being studied for their various medicinal benefits because they are less psychoactive than the strains that are rich in THC. Their anti-cancerous and neurogenic effects of the products help the body fight off a wide range of health conditions.







# Chapter 2

## THE RE-EMERGENCE OF CBD

# The Re-emergence of CBD

It was for the benefits the CBD products offered in the treatment of health conditions such as diabetes, MS chronic pain, PTSD, depression, neurological disorders, arthritis, etc. that the government sanctioned and approved its clinical trials to take place in the controlled environment. It was the owner of a pharmaceutical company, GW Pharmaceuticals, who convinced the home office of Britain that the products that were made from CBD-rich plants could be used to treat a lot of health problems. There's the first company in 1988 to be given a license by the British government to grow cannabis and extract CBD for medicinal use only.

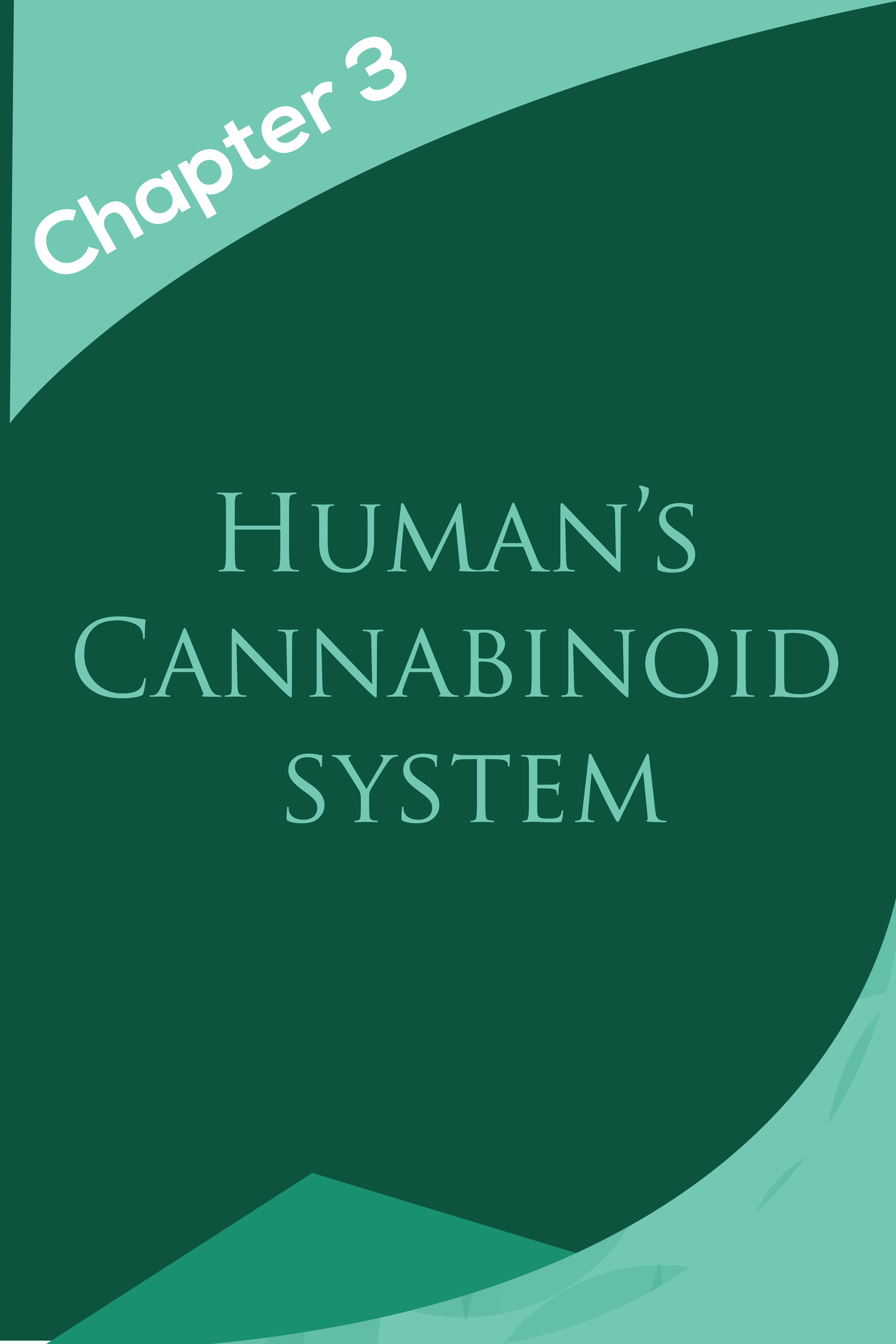
It is the only time cannabis rich in CBD was being used to treat the health issues of people. In the early 19th century, it was being used by women to ease their menstrual cramps and pains even so much that there have been occasions where it is reported that even Queen Victoria used it





as well. For centuries, cannabis rich in CBD has been used for animals to treat their anxiety issues and help calm the ones going through seizures. It was after many such reporting that people began to see the good in the CBD-rich plants. However, the CBD has remained a hidden gem as of lately. It is because the need to produce THC-rich strains has minimized the presence of CBD in most of the cannabis plants we have today. Marijuana plants had been under research and production in a lot of cannabis labs until today where they had been researching and studying the behavior of the compound for optimal human use. It was not only that the labs were successfully able to produce CBD-rich plants with a 20 to 1 ratio of CBD and THC that industry was established which extracted oils, and came up with other CBD-rich products.





Chapter 3

# HUMAN'S CANNABINOID SYSTEM



# Human's Cannabinoid system

It is expected that by the next 20 years, Cannabis based medicinal drugs would be ruling the market that we know today.

This was all made possible because of a significant discovery by an Israeli researcher, Dr. Ralph Mechoulam, made in the early 1990's regarding the presence of special cannabis-detecting receptors being located in the mammalian brain. He found out that the brain of humans and some of the mammals has a special endocannabinoid system (ECS) located in their brain which allows them to detect and respond to CBD and THC, the two of the most important compounds found in the cannabis plant. His researches also discovered CB1 and CB2, two G-protein coupled receptors which are produced by the ECS of our body. The receptors are attached to the pre-synaptic membrane and trigger a response from the brain based on the interaction that takes place at the reception site. The brain ECS is also linked to many physiological processes such as mood, memory, appetite, sleep and pain sensation along with the female reproductive system. CB1 and CB2 express themselves more thoroughly in the brain and immune system, but their concentration varies from one species to another.

# Chapter 4

## PET ANIMAL'S ENDOCANNABINOID SYSTEM



# Pet animal's endocannabinoid system

The fact that for centuries CBD has been used to help the animals live a better life is a proof of that they have their set of system that specifically responds to cannabis and CBD and THC compounds in particular. All animals, except for insects, have an endocannabinoid system which is a lot more complex and different from the one found in the human bodies. However, it is to be taken into notice here that the products used for animals are very low with THC. This is because THC produces the “high” effect and one wouldn't want his pet animal to get high on drugs. The animals are only given the products which have the least amount of THC and a relatively high content of CBD. Unlike the human bodies, the ECS of animals is not restricted to their brain only. In fact, it is spread throughout their bodies from head to toe in a uniform manner. However, one needs to be overly cautious when using cannabis with animals because overdosing them is incredibly easy.

# Chapter 5

## WHY ARE PEOPLE USING CBD?



# Why are people using CBD?

When it comes to cannabis, we have for long enjoyed the THC part of the plant, but it is the CBD in them which contains the most medicinal uses. We can reap the benefits of CBD even more now because the science has been allowed to create strains of cannabis with a high content of CBD to take advantage of them.

People all over the world are using CBD-rich products on a regular basis and given below are reasons for their widespread popularity.

- The THC compound in cannabis is often linked to causing anxiety in humans whereas the less psychoactive CBD is believed to cancel out its effect and relieve stress and anxiety in people. It is good for people who suffer from anxiety issues or experience it on rare occasions.
- CBD is also used to control acne outbreak on the skin.
- CBD has anti-cancerous properties. It not only prevents but also inhibits the growth of the cancerous cells.
- It is also used because of its therapeutic effects where it helps provide relief from chronic pains and inflammation.

# Chapter 6

## KNOWN AND POTENTIAL SIDE EFFECTS OF CANNABIDIOL (CBD)



# Known and potential side effects of Cannabidiol (CBD)

It has been widely accepted that CBD is the best part of the cannabis plant. However, when one talks about the goodness CBD brings to the human system, it is of prime importance to take note that lesser attention is paid to effects of an overdose in humans and animals. It comes with its own side effects and problems to the human body as well. Some of the many side effects of CBD have been discussed below.

- It can cause sleep difficulty specially if it is taken before bedtime.
- Since it causes blood thinning in humans, people using blood thinning drugs should only use it after a discussion with their GP.
- High doses of CBD can cause mental sedation and can make a person feel “thick.”
- CBD also leaves a very unpleasant dry sensation in the mouth which is linked to the CB1 and CB2 receptors which inhibit the saliva production when they come in contact with CBD.
- People who suffer from Parkinson’s disease are suggested to avoid

CBD since it can cause worsening of muscle movements and tremors in them.

As of now, no real concerns have come to the surface about CBD. If it is taken in the right amounts, it will have possibly no side effects for the human body.

# Chapter 7

## HOW MUCH CBD SHOULD YOU TAKE?

# How much CBD should you take?

Some of the possible side effects of CBD which have been discussed above are because of the wrong or high dosage of CBD. If it is not taken in a controlled amount, it can be harmful to humans as well as for the pets. However, it is to be taken into consideration that FDA doesn't come up with any allowed limit for CBD because then it would be in a way suggesting that CBD can be used to cure that particular condition. When one talks about CBD dosage, there are some important factors that should be taken into consideration.

- Everyone is different. The dosage of CBD which works for me might or might not be enough for you. Depending on your body and its working, the dosage of CBD can vary.
- The dosage of CBD varies with the product form it is taken in because each product carries a different ratio of CBD and THC and one needs to take into account the serving size to calculate the final dosage he/she would be taking ultimately.

Till now, there are no scientific studies which have been able to successfully answer the question of the right amount of CBD dosage for a person. So, the best way to figure it out is to experiment and let your own body and metabolism figure it out for you. Since the only side effect of CBD is you sleeping too much, so there is no harm to get started right away and see for yourself the dosage to which your body responds to the most.



# Chapter 8

## FINDING THE CBD-RICH PRODUCTS AND USING THEM FOR MAXIMUM BENEFIT?

# Finding the CBD-rich products and using them for maximum benefit?

When you have to buy CBD products, it is important to take note that the products should be authentic and from a trusted company. To reap the benefits of CBD, you need to make sure that you are getting a high ratio of CBD as compared to THC and this is only possible if you trust the company you are getting it from. When it comes to the CBD-rich products, you can find them with lots of variety. There are

- CBD oils which are the most common product available in the market
- CBD-rich capsules each one with a specific dose available per serving
- CBD gummy bears to chew the tablets in a fun way
- CBD coffees and teas to brew the goodness
- CBD cream for acne and other skin related problems

Each one of these products has a different concentration of CBD and uses a different strain of cannabis depending on their usage. You would have to go for a hit-or-trial method to find the dosage that gives you the best results. The best way is to start today with the minimum dose and then increase it consequently to find out the limit of your body. You can find these products online and from stores as well, but it is advised to get them from a brand which speaks of quality. One such brand which only deals with tested CBD products is Earth E CBD.



# Chapter 9

## ABOUT THE COMPANY



# About the Company

When it comes to finding a company which deals with 100% pure and natural forms of CBD in their products, then Earth E CBD is the name that should rank at the top of the list. It is a licensed pharmaceutical company which uses pure 99% CBD concentrated isolate with the full spectrum cannabidiol that is rich in all the beneficial ingredients of the plant. The company has had years of experience with making products that use the right amount of CBD in its most natural form. Earth E CBD has a huge team of professionals under its wing working hard to come up with the right ratio of CBD and THC in the strains that would give the most medicinal benefits to the people. What is of even more importance is the fact the Earth E CBD has the legal rights to produce these products and sell them to the general public under their name. The cannabis plant containing low levels of THC is used for the industrial hemp which is made from certified organic Cannabis (Hemp) plants. All their products are thoroughly tested and purified using the expensive yet authentic carbon dioxide purification method.

# Chapter 10

## CANNABIDIOL CBD PROCESSING

# Cannabidiol CBD Processing

What makes our products so authentic is the deep care and attention to detail we put into each and every part of our process.

From choosing the right soil to grow the plants into carrying out the lab tests, every step is given special attention. We only use the European certified organic hemp and grow them in an ideal climate. It is our way of ensuring that the oil produced from them is of the highest quality. The next step in line is of extracting the CBD from the plant and getting rid of all the solvents and pesticides that would dilute and intoxicate the final product. For this purpose, we make use of liquefied form of Carbon dioxide. The temperature of the carbon dioxide gas is lower, and its pressure is increased at the same time to turn it into the liquid form. This liquid is then used for the hemp plants to extract the CBD. All the materials are lab tested before and after this process to ensure that the final product is 99% pure. To make the CBD oil even more concentrated and pure, it is further winterized to get rid of the fats and lipids which may be diluting the final product. These processes have been perfected with our 2 decades of experience to ensure that the final products are as authentic as you can ever get. Only after the products are tested for purity and quality do they get shipped to our headquarters for sales purposes.



# Chapter 11

## EARTH E CBD PRODUCTS

# Earth E CBD Products

CBD oil is the most common form of CBD-rich products available today, but this is not the end of it. With our team of highly professional experts, we have come up with processes that allow us to transform the CBD extract into other forms as well that would make the consumption and use easier. This is the reason we offer CBD products in the form of

- Capsules
- Edible candies in the shape of gummy bears, lollipops, frogs
- Tea and coffee
- Cream
- Oil drops

Each one of these products is packed and sealed to ensure that the quality is not compromised during the shipments and you get the purest products in the best shape.

# Chapter 12

WHAT IS UNIQUE  
ABOUT EARTH  
E CBD  
PRODUCTS?



# Earth E CBD Products

We offer a huge variety of products under our wings and only because we take full guarantee of their quality and standard.

Packed only after passing our strict lab tests and processes, these products are available in varied concentrations so that you can get your daily dosage of CBD comfortably from them. Let's take a look at some of the products we offer and how they are different from the other similar products you may find in the market.

## **CBD Oil**

We offer CBD oils in convenient bottles which come with droppers. These drops can be used as they are or mixed with your favorite food or drink. The choice is all yours. A highly concentrated form of CBD to ensure maximum potency, these products use full Spectrum Cannabidiol Oil and pure Crystalline Isolate 99% in them.



## **CBD Edibles**

We offer CBD products in tasty edible forms as well which come in the form of lollipops, sweets shaped liked frogs and gummy bears. You can consume one or two of these candies on the go to calm down your nerves and make you feel good.

## **CBD Capsules**

These gel capsules can be swallowed as they are or with any drink. Made using Cannabidiol Hemp oil, safflower oil, and vegetable cellulose, these capsules are derived from the hemp plant, seed, and stalk. The pack has four capsules each one with 25mg of CBD to give you a total of 100mg CBD in the full pack.



## **CBD Pain Cream**

CBD is not only used for consumption. It is also good for chronic pains and inflammation. We offer CBD cream as well that can be massaged at the affected area for relief. It is also effective against acne, but when using it on the face, the cream should not get in contact with eyes.

## **CBD Tea**

Not everyone likes to have CBD like a medicine in the form of capsules. Some like to brew and sip in the calmness as well. This is what we offer with our range of CBD-rich coffee and tea. Have it before bed and sleep the night away comfortably.



# Chapter 13

## EXCLUSIVE SERVICES FOR CUSTOMERS

# Exclusive services for customers

Earth E CBD is not only good with the products it produces but also when it comes to looking after their clients. Some of the many services they offer include:

**Wholesale:** The customers can order these products at wholesale prices as well by simply logging into their company page and filling out the necessary form. Someone from the team will then get back to them to confirm the order and the details and have their order shipped.

**Refunding:** If the customers are not satisfied with the products, they can only return them back and get a refund for the price they paid. The customers would be required to explain their reasons in an email addressed to the company to have them review their case and give them a refund.

**Shipping:** The ordered products would be shipped right to their doorsteps for their convenience. However, in the case of refund, the shipment charges won't be given back.



# Chapter 13

## CANNABIDIOL BUYING GUIDE

# Cannabidiol Buying Guide

When buying cannabidiol, Earth E CBD also offers you a quick comparative analysis that helps make the decision easier for you. All the products are shown with their prices on a single page along with their properties. As a consumer, it helps make a choice easier. With all the products there in front of you, the user can better decide on what they want, how much and why. The buying guide also gives them a calculation for the CBD concentration in each one of the products so that the consumer knows how much needs to be ordered to fulfill their dose requirement.

# Chapter 14

## CONCLUSION

# Conclusion

CBD is a hidden gem found in the cannabis plant. With all the health benefits it has to offer, it will just be a matter of years before the CBD-rich products begin to conquer the pharmaceutical world by storm. To ensure that you get the most out of these products, it is important that you buy them only from an experienced and licensed company. Earth E CBD has been working in the production and extraction of CBD for over 20 years now. Log in to the website today to know more about the products they have to offer and how you can include them in your daily routine.