Our mission at Global Cannabinoids is simple: *Deliver the highest quality industrial hemp-derived phytocannabinoids as quickly as possible to our customers.* In order to accomplish this, we have partnered with the BEST of the BEST in each vertical within our industry to supplement our wide range of core competencies and provide a true turnkey product development and manufacturing solution for our customers.

We have leveraged our unique hemp genetics in order to provide our farmers with plants that are high in CBD, CBG, CBN, CBC, and other rare and unique naturally occurring synergistic cannabis compounds. We provide our farmers with the clones from these unique and proprietary genetics in order for them to be assured the highest success rate possible. Before and after each harvest, our farmers test the plant material to ensure the absence of pesticides, heavy metals, molds, or mildews.

After testing is completed, our farmers then process and ship the phytocannabinoid-rich plant material to one of our extraction facilities where we turn the biomass into full spectrum oil or isolate. Once converted into oil or isolate, each batch is then assigned a unique barcode and certified at one of our testing labs before being shipped directly to our B2B customers or to our GMP manufacturers to be made into premium phytocannabinoid-rich finished products.
Global Cannabinoids offers complete vertical integration. We are constantly creating new, novel ways to produce the highest quality oils and isolates and with each new generation of innovation comes greater cost savings and competitive advantages for our customers.

Our cannabinoid extraction and isolation chromatography technology is unparalleled and no other supplier can offer this at more competitive prices and expedited service timelines. Our technology encompasses every aspect of premium phytocannabinoid-rich (PCR) hemp oil extracts, cannabinoid isolates terpene production:

- INITIAL BIOMASS EXTRACTION
- WINTERIZATION / DECARBOXYLIZATION
- OPTIMAL PURITY VACUUM DISTILLATION
- PURE CANNABINOID ISOLATION CHROMATOGRAPHY
- PURE TERPENE/FLAVANOID ISOLATION CHROMATOGRAPHY

This is a distinct advantage that truly sets us apart in the industry and affords us the unique opportunity to provide the most competitive pricing, products and service.

Need full service product and brand development?

We have you covered. Our in-house product and brand design and development team has all of the talent and expertise to help you fast track your brand to market at a fraction of the cost that it would require for you to hire equivalent staff or freelance contractors. We offer not only the best technology, raw materials and finished products in the hemp-derived products industry, but the best professionals that comprise our staff and our strategic partnerships with only the best outside service vendors. We truly offer one-source supplier shopping at its best.
OUR FARMS & GENETICS

Our exclusive hemp farms are located throughout the USA in states that have a US Farm Bill-compliant program. They are some of the largest hemp farms in the country. Our consistent and unique medicinal genetics provide us and our customers with a distinct competitive advantage in the global hemp-derived phytocannabinoid industry.

- Specially bred cultivars, non-GMO
- Proprietary high Cannabidiol (CBD)/low THC cultivars
- Proprietary high Cannabigerol (CBG)/low THC cultivars
- Proprietary high Cannabichromene (CBC)/low THC cultivars
- Phytocannabinoid and terpenoid-rich strains
- Our plants produce a minimum of 15% CBD and less than 0.3% THC
- Global Cannabinoids hemp provides a rich full spectrum profile of all medicinally valuable and diverse phytocannabinoids and terpenes

REGISTERED INDUSTRIAL HEMP

Our unique strains of hemp that were specially bred from the most medicinally high cannabidiol strains of medical cannabis. These plants with the highest CBD and lowest THC concentrations were stabilized and cross bred. This resulted in consistent plant levels of less than 0.3% THC on a dry weight basis.

All products we manufacture, market, or distribute conform to the 2014 US Farm Bill section 7606 which Federally legalized the cultivation of Registered United States Industrial Hemp under certain conditions which Global Cannabinoids fully complies.

True industrial hemp is characterized by its tall stocks and is grown for its fibers, which are the strongest plant fibers in nature. Industrial hemp is also grown for its seed, which contains essential fatty acids but no phytocannabinoids. This type of industrial hemp contains very few phytocannabinoids and limited amounts of other synergistic compounds. Global Cannabinoids’ phytocannabinoid-rich hemp, which grows like a bush, unlike mainstream industrial hemp, provides the true health benefits of medical cannabis without the psychoactive effects of THC.
Cherry #5 clones growing in our partners’ genetics facility

Flowering mother plants are constantly producing new and unique genetics

Our partners’ genetics facility covers nearly 5 acres of Nexus greenhouses

Superior genetics produce stronger roots and much healthier plants
EXTRACTION & PURIFICATION

Our proprietary extraction and purification process takes place at our state-of-the-art extraction facility located in Colorado. Our unique chromatography extraction technology allows for high levels of phytocannabinoids, while eliminating unwanted amounts of THC and chlorophyll. To achieve this, we utilize a chromatography technique which allows for the identification and complete removal of the naturally occurring trace amounts of THC from the oil, while leaving intact the full spectrum profile of non-psychoactive phytocannabinoids and synergistic compounds such as Cannabidiol (CBD), Cannabigerol (CBG), Cannabinol (CBN), Cannabichromene (CBC), and a range of naturally preserved terpenes.

We utilize a rigorous testing system. On-site chromatography and third party batch testing, ensures accurate levels of phytocannabinoids and confirms the absence of THC through our proprietary processes. The end result is the highest quality TRUE Full Spectrum hemp-derived phytocannabinoid-rich (PCR) oil extract that contains no solvents, no heavy metals, and no pesticides.

THE COMPLETE PLANT PROFILE

Our proprietary extraction process uses the entire plant for a TRUE full spectrum oil, containing all of the cannabinoids and terpenes naturally found in medical cannabis.

Cannabidiol (CBD)
Tetrahydrocannabinol (THC)
Cannabichromene (CBC)
Cannabigerol (CBG)
Cannabidivarin (CBDV)
Tetrahydrocannabinivar (THCV)
Cannabinol (CBN)
Alpha Bisabolol
Alpha Phellandrene
Alpha Pinene
Beta Caryophyllene
Beta Pinene
Cadinene
Camphene
Camphor
Citral
Citronellol
Delta 3 Carene

Eucalyptol
Eugenol
Gamma Terpinene
Geraniol
Humulene
Limonene
Linalool
Nerol
Nerolidol
Ocimene
Para-Cymene
Phytol
Pulegone
Terpineol
Terpinolene
Valencene
THE BASICS OF CHROMATOGRAPHY

In the early 1900s, a Russian botanist named Mikhail Tswett became interested in the individual chemical compounds in plants. He noted that mixing ground-up plant material extracts with different solvents produced different colored solutions. One of his experiments involved pouring a plant extract through a glass tube packed with powdered calcium carbonate. As the liquid passed through the solid powder, bands of color appeared. These were the individual compounds, separated from each other by the interaction of the solid (which remained fixed in the tube) and the liquid extract (which flowed through the tube and out the other end). Tswett had invented the science of Chromatography, aptly named after a word he derived from the Greek words for color (chroma) and writing (graphe).

Since then, chromatography has become a cornerstone of molecule separation science. This unique branch of chemistry is purely devoted to separating individual molecules from Nature’s vast array of multi-compound formulas. There are two main categories of chromatography: Analytical and Preparative.

Analytical work (which may be used in an environmental lab to look for pollutants) uses small sample sizes, and the objective is to separate compounds in order to identify them. Preparative work (which is used in the supplement/pharmaceutical industry) uses very large quantities of samples and collects the output in bulk. The purpose of the specific and proprietary chromatography methods that Global Cannabinoids has pioneered is to remove all forms of THC, chlorophyll and unnecessary lipids and plant compounds from our final commercial product.

The unique ability to identify, isolate and extract individual compounds from Cannabis sativa L is a critical component to developing legally compliant hemp-derived finished commercial products. The depth of experience and proprietary processes that Global Cannabinoids has developed to-date are most definitely unique in the industry, and offer a competitive advantage for our customers that no other supplier is able to bring to the table. We can consistently deliver a TRUE Full Spectrum, Broad Spectrum Zero THC or pure CBD isolate-based formula to meet your unique needs.

HEMP OIL EXTRACT DISTILLATION

Cannabis oil distillates are arguably the future of cannabis concentrates. With unmatched purity and sheer versatility, distillate oils provide a clean and potent product with limitless application potential.

When it comes to creating a CBD distillate, cannabinoids, terpenes, and flavonoids are pulled from the vegetative material of the cannabis plant together though various extraction processes. In order to distill these compounds into their purest form, additional layers of refinement must be executed. This process is known as “fractional” or “short path distillation.” These processes can produce single compound oils that can reach upwards of 99% purity.

In order to isolate compounds such as CBD into a pure and viscous oil, there are multiple layers of refinement that must first occur. Given that THC as well as other cannabinoids and terpenes are volatile and have varying boiling points, they must first be separated from the cannabis plant via hydrocarbon or CO2 solvent-based extraction techniques. This process removes the valuable and volatile compounds from the plant itself, while many lipids and other compounds remain. This necessitates further refinement through a process called winterization, whereby a solvent such as ethanol is used in order to remove these undesirable compounds.

Apart from winterization, isolated cannabinoids must also undergo decarboxylation, by which the compounds are heated enough to activate their medicinal potential. Finally, the material is run through a short path steam distillation or rational distillation chamber in a series of multiple passes to purify the CBD to its isolated state.

Rigorous and frequent third party testing is followed to ensure that the critical attributes of taste, color, potency, and purity consistently meet quality control specifications for making phytocannabinoid-rich finished products.
Global Cannabinoids offers a complete range of formulation, brand development and finished product manufacturing services. We can provide true turnkey product development services to help you fast track your brand to market. Our expert staff, unique and proprietary equipment and more than 400,000 square feet of combined manufacturing facilities can accommodate virtually any type of extraction, formulation, blending, filling, packaging operation you may require.

- **RESEARCH & DEVELOPMENT**
  Our R&D capabilities not only allow us to have a micro understanding of our products, but stay well ahead of the curve in terms of exploring new ingredients and applications. Our R&D facilities have the following strengths:
  - Over 15,000 sq ft dedicated to R&D
  - Preservatory efficacy (PET) for every new formulation
  - 100+ new formulas developed each year
  - Capable of developing test batches up to 5 gallons
  - 200+ years of combined industry experience on staff
  - Ability to perform all critical testing
  - Owner of patents and patents pending

- **CUSTOM FORMULATION**
  Utilizing our in-house R&D lab, we can develop any type of formula you may need, and we have close to 10,000 customizable formulations ready to go on the shelf.

- **REGULATORY & COMPLIANCE**
  Our staff creates full regulatory documentation needed to bring new products to market quickly and keep existing products in compliance with changing regulations in USA, South America and EU.

- **RAPID PROTOTYPING**
  To help buyers make the best decision, our team can produce display-ready prototypes of virtually any product at little or no extra cost to our customers.

- **TRUE FULL SERVICE MANUFACTURING**
  Our agile manufacturing is set up for small and large filling runs, with secondary packaging services such as labeling, coding (ink and UV), shrink sleeve application, case shrink wrapping, cellophane wrapping and bundling.

- **OUR CERTIFICATIONS**
  - cGMP and OTC registered and certified
  - ISO 9001 and ISO 22715 certified
  - EPA and FDA registered and compliant
  - Industrial Hemp and Alcohol manufacture licensed
A WORLD CLASS 300,000 sq ft MANUFACTURING FACILITY

- A semi-automated high speed and high precision plant with production capabilities of up to 500,000 units per day
- 20 filling lines with container size capabilities ranging from 0.33 oz to over 1 gallon
- Machinery to fill packets, pouches, bottles, tubs, jars, tubes, pails, drums, totes and tottles
- A fabrication facility and engineering team capable of developing custom machinery as needed
- Blend & Fill capabilities for numerous product types: Surfactant, Emulsions, Gels, Oils, and Alcohol-based formulas
- Ancillary Equipment; Resin cappers, labelers (wrap and front and back), coders, induction sealing, cooling tunnels
- Automatic carton erectors and secondary kit packing
- Jacketed Mixing Kettles - sizes from 100 gallons up to 4,000 gallons
- Stainless Steel and Plastic Holding Tanks - sizes from 200 gallons up to 2,000 gallons
- Warehousing - 250,000 sq ft of component and finished product storage
- Shipping: Four shipping docs and four receiving docks

QUALITY INSIDE & OUT

We have an unwavering focus for quality and utilize our onsite analytical, microbiological, and final product testing labs to ensure only the highest quality products.

Our primary manufacturing facility is completely compliant for OTC (Over-The-Counter) drug manufacturing, and our Regulatory & Compliance team can help you navigate the FDA New Drug Application process if needed.

PREMIUM CBD PRODUCT DEVELOPMENT POSSIBILITIES:

- After Shave Care
- Bath Salts & Soaks
- Beard Oils
- Beverages
- Body Lotion, Oils & Sprays
- Body Wash
- Breath Fresheners
- Capsules
- Creams & Lotions
- Energy Shots
- Eye Drops & Lubricants
- Eye Wash
- Facial Creams
- Foot Spa
- Hand & Foot Care
- Infused Edibles
- Infused Topical Patches
- Lip Balm
- Mouthwash
- Muscle Balm
- Oral Pain Relievers
- Pain Creams
- Personal Lubricants
- Salves & Topicals
- Shampoos & Conditioners
- Skin Care
- Soft Gels
- SPF Sunblock
- Tablets
- Teeth Whitening
- Tinctures
- Toothpaste
- Vape Cartridges
- Wart Removal
THE HUMAN ENDOCANNABINOID SYSTEM

CB1 & CB2 RECEPTORS

After 35 years of research, scientists have only just begun to understand the importance of the Human Endocannabinoid System (HEcS). The discovery of the HEcS is arguably the most important discovery in human physiology in the late Twentieth Century. Research has revealed that the HEcS is responsible for maintaining and controlling the body’s homeostasis, or balanced regulation of every system in the body. It does that through two known receptors called CB1 & CB2.

While the body produces its own endogenous cannabinoids, many scientists suggest that most people are now suffering from “Cannabinoid Deficiency”. Without sufficient cannabinoids in our diet, the HEcS operates at less than peak efficiency, resulting in a general decline in overall health. Supplementing our diets with full spectrum phytocannabinoids may be an essential component to achieving optimal health.

The primary cannabinoid receptors are identified as Cannabinoid Type 1 receptors (CB1-R) and Cannabinoid Type 2 receptors (CB2-R). The receptors can be “unlocked” by three kinds of cannabinoids:

1) Endocannabinoids
Endogenous-fatty-acid cannabinoids produced naturally in the body (e.g., anandamide and 2-AG)

2) Phytocannabinoids
Concentrated in the oily resin of the buds and leaves of plants such as cannabis (e.g., THC and CBD)

3) Synthetic Cannabinoids
Manufactured by artificial means such as in a laboratory
The Endocannabinoid System is found in every animal, except for insects, and regulates a broad range of biological functions. The ECS is a biochemical control system of neuromodulatory lipids (molecules that include fats, waxes, sterols and fat-soluble vitamins such as vitamins A, D, E and K and others) and specialized receptors configured to accept certain cannabinoids. In general, a given receptor will accept only particular classes of compounds and will be unaffected by other compounds, just as a specific key is needed to open a lock.

Specialized receptors are located throughout the human body, including but not limited to, in the hippocampus (memory, learning), the cerebral cortex (decision-making, emotional behavior), the cerebellum (motor control, coordination), putamen (movement, learning), the hypothalamus (appetite, body temperature) and the amygdala (emotions). When a specific cannabinoid or combination of cannabinoids bind to a specialized receptor, an event or a series of events, is triggered in the cell, resulting in a change in the cell's activity, its gene regulation and/or the signals that it sends to neighboring cells. This process is called “signal transduction.”

First detected in the brain, science now shows that CB1-R are also located in many other organs, connective tissues, gonads and glands. CB1-R are not found in the medulla oblongata (the part of the brain stem responsible for respiratory and cardiovascular functions). CB1-R play an important role in the coordination of movements, spatial orientation, sensory perceptions (taste, touch, smell, hearing), cognitive performance and motivation.

The most important function of the CB1-R is the reduction of excessive or inadequate signaling by the neurotransmitters (messengers) in the brain. By the activation of the CB1-R, the hyperactivity or hypoactivity of the messengers (e.g., serotonin, dopamine) is regulated back into balance. For example, when THC binds to CB1-R, activity in the pain circuits is inhibited, thus resulting in reduced pain. Many other symptoms such as nausea, muscle spasticity and seizures can be alleviated or diminished with cannabinoid therapy.

CB2-R are primarily associated with the immune system and found outside of the brain in such places as the gut, spleen, liver, heart, kidneys, bones, blood vessels, lymph cells, endocrine glands and reproductive organs. For example, CBD is keyed to CB2-R, and good evidence shows CBD is a beneficial therapeutic strategy to lessen the impact of inflammatory and neuro-inflammatory diseases. Until recently, it was believed that CB-2R played no role with nerve cells or bundles. However, studies now show that it also plays an important role in the signal processing of the brain.

A third receptor that gets little attention is the transient receptor potential vanilloid-type one (TRPV1). The function of TRPV1 is to detect and regulate body temperature. In addition, TRPV1 is responsible for the sensations of extreme external heat and pain and is subject to desensitization. Therefore, if continuously stimulated, the pathway will eventually slow down or even stop. This raises therapeutic possibilities for agents to effectively treat certain kinds of neuropathic pain.
TRUE FULL SPECTRUM WHOLE HEMP EXTRACT
TRUE FULL SPECTRUM WHOLE HEMP EXTRACT

What is TRUE Full Spectrum?

The complete plant profile.
The complex biochemical interaction of the matrix of phytocannabinoids working synergistically in the body is referred to as the "entourage effect." Cannabidiol is but one of more than 100 known phytocannabinoids that interact with the body’s endocannabinoid system (ECS) to help restore normal balance and physiological homeostasis.

TRUE Full Spectrum Phytocannabinoid-Rich (PCR) hemp oil contains a variety of synergistic compounds, which interact with one another to unlock the full power and potential of the plant. TRUE Full Spectrum Hemp Oil Extract contains a complete array of cannabinoids, including at least trace amounts of THC and terpenes. There certainly are specific health benefits that are attributed to the isolated CBD molecule, but the vast majority of cannabis compound clinical research suggests that the synergistic action of key phytocannabinoids and terpenes working together is truly what offers the widest range of potential medicinal benefits of cannabis.

KEY PHYTOCANNABINOIDS

Cannabidiol (CBD)
A major phytocannabinoid, accounting for up to 40% of the plant extract. Extensive research has demonstrated CBD to be a powerful antioxidant and has the potential to treat a myriad of ischemic, age-related, inflammatory, and auto-immune disorders.

Delta 9 Tetrahydrocannabinol (THC)
The phytocannabinoid that is responsible for the psychoactive effects of medical cannabis.

Cannabichromene (CBC)
May contribute to the overall analgesic, anti-inflammatory and anti-fungal effects of medical cannabis.

Cannabinol (CBN)
A non-psychoactive cannabinoid with analgesic properties that reportedly aids in sleep and appetite regulation.

Cannabidivarin (CBDV)
A homolog of cannabidiol (CBD) that has been reported to have powerful anti-convulsive effects.

Tetrahydrocannabivar (THCV)
A non-psychoactive precursor and regulator of various key phytocannabinoids.

Cannabigerivar (CBGV)
The propyl homologue of cannabigerol (CBG), CBGV has been shown to be holding great potential for treating cancer. CBGV was shown to be cytostatic in leukaemic cells and caused a simultaneous arrest at all phases of the cell cycle.

Cannabigerol (CBG)
The non-acidic form of cannabigerolic acid, cannabigerol is an adaptogenic molecule and is the "parent molecule" from which several other cannabinoids are made.
TRUE FULL SPECTRUM WHOLE HEMP EXTRACT

Derived from Registered Industrial Hemp that is hydrocarbon or ethanol-extracted, our Phytocannabinoid-Rich (PCR) Hemp Oil has a TRUE Full Spectrum of cannabinoids and terpenes and very low amounts of Delta 9 Tetrahydrocannabinol (less than 0.3% THC).

Unlike isolated or synthetic cannabinoids, TRUE Full Spectrum Whole Hemp Extract refers to pure oil that features the complete plant profile of the same cannabinoids present in the original hemp plant providing an all-natural CBD hemp oil extract supplement that allows the cannabinoids to work together in what is called the “entourage effect” to achieve a natural state of homeostasis in the body.

This winterized and decarboxylated oil is typically used for internal applications such as tinctures, gel caps, gummies and a multitude of other applications where a true full spectrum oil is needed.

Total Cannabinoid Range: 64-86%
CBD Range: 60-70%
THC Range: 0.01%-0.03% THC (post dilution)
Decarbed: Yes.
Non-Decarbed: By request only.
TRUE Full Spectrum: Yes.
Custom Potency: Can be diluted to desired potency
Color: Medium to Dark Maple
Appearance: Thick dark oil
Consistency: Thick and sticky
COA: Available upon request

Packaging: Sold in lots of 100 grams and kilos (measured by per milligrams of active cannabinoids, not by weight)

Shelf Life: 12 months unopened.
Store in a cool, dark location.

Formulating: Note that crystallization of the CBD molecule occurs at concentrations of 60%+. Prior to formulating, the oil must be heated and liquified at 70-75° C and mixed thoroughly.

Lab Analysis: Lab must be instructed to thoroughly heat and liquify prior to testing. Attempting to sample the oil in a semi-solid/crystallized state will not result in accurate analysis.

Active Compounds:
- Cannabidiol (CBD)
- Cannabidiolic Acid (CBDa)
- Tetrahydrocannabinol (d9 THC)
- Cannabigerol (CBG)
- Cannabichromene (CBC)
- Tetrahydrocannabinolic Acid (THCa)
- Cannabinol (CBN)
- Naturally Present Terpenes*

Contaminant Analysis:
- Heavy Metals: Not Detected (ND)
- Lead: ND
- Arsenic: ND
- Residual Solvents: ND

Microbial Analysis:
- Total Aerobic Count < 2,000 cfu/g
- Total Yeast and Mold < 200 cfu/g
- E. Coli = Negative
- Salmonella = Negative
- Aflatoxins = Negative

Approved Terminology:
- Non-GMO
- Manufactured in USA
- Organically Cultivated Hemp

Scan to see typical lab analysis reports:

RAW MATERIALS | CBD & HEMP OIL EXTRACTS
GLOBAL CANNABINOIDS | 1701 CALIFORNIA ST, STE 1070, DENVER, CO 80202 | (719) 422-3421 | globalcannabinoids.io
FULL SPECTRUM HEMP OIL DISTILLATE

Our proprietary distillation process produces the highest quality oil in the world by removing all impurities, including chlorophyll, lipids, waxes, and other destabilizing compounds. By using only completely distilled phytocannabinoid-rich hemp oil, our products are more pure, more stable and have a longer shelf life than oils that are non-distilled.

This winterized, decarboxylated, and completely distilled oil is typically used for internal applications such as tinctures, gel caps, gummies and a multitude of other applications where a clean, full spectrum oil is needed.

**Total Cannabinoid Range:** 80-93%
**CBD Range:** 75-85%
**THC Range:** 0.01%-0.03% THC (post dilution)
**Decarbed:** Yes.
**Non-Decarbed:** By request only.
**TRUE Full Spectrum:** Yes. Contains the cannabinoid profile minus parts of the plant profile such as the lipids and waxes.
**Custom Potency:** Can be diluted to desired potency
**Color:** Medium to Dark Maple
**Appearance:** Thick dark oil
**Consistency:** Thick and sticky
**COA:** Available upon request

**Packaging:** Sold in lots of 100 grams and kilos (measured by per milligrams of active cannabinoids, not by weight)

**Shelf Life:** 12 months unopened. Store in a cool, dark location.

**Formulating:** Note that crystallization of the CBD molecule occurs at concentrations of 60%+. Prior to formulating, the oil must be heated and liquified at 70-75°C and mixed thoroughly.

**Lab Analysis:** Lab must be instructed to thoroughly heat and liquify distillate prior to testing. Attempting to sample the oil in a semi-solid/crystallized state will not result in accurate analysis.

* Naturally present terpenes are carefully separated during the extraction and purification process and are added back into the distillates to more accurately reflect their true profile as in nature. As such, terpene profiles are highly customizable.

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**Active Compounds:**
- Cannabidiol (CBD)
- Cannabidiolic Acid (CBDa)
- Tetrahydrocannabinol (d9 THC)
- Cannabigerol (CBG)
- Cannabichromene (CBC)
- Tetrahydrocannabinolic Acid (THCa)
- Cannabinol (CBN)

**Naturally Present Terpenes***

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**Contaminant Analysis:**
- Heavy Metals: Not Detected (ND)
- Lead: ND
- Arsenic: ND
- Residual Solvents: ND

**Microbial Analysis:**
- Total Aerobic Count < 2,000 cfu/g
- Total Yeast and Mold < 200 cfu/g
- E. Coli = Negative
- Salmonella = Negative
- Aflatoxins = Negative

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* Derivation from registered industrial hemp
* Made in the USA
* Non-GMO
* Organically cultivated hemp

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BROAD SPECTRUM THC FREE HEMP OIL DISTILLATE
Our **Broad Spectrum THC Free Hemp Oil Distillate** features numerous phytocannabinoids and has **zero percent THC**. By breaking down the cannabinoids and terpenes into their individual compound solutions, they can then be recombined into various formulas with complete control and precision, allowing our company to individualize a particular CBD distillate blend.

The application possibilities associated with this cannabinoid distillate are exciting. This very pure CBD oil contains little residual flavors and aromas and is perfect for all kinds of practical applications. Furthermore, distillates can be applied many different ways, be it through oral, sublingual, or topical application, or even though vaporization and inhalation (e.g. dabbing). Raw CBD distillates can even be used as-is or combined with other products to create powerfully medicinal combinations with broad finished product applications.

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**Total Cannabinoid Range:** 80-83%
**CBD Range:** 70-85%
**THC Range:** 0% THC
**Decarbed:** Yes
**Non-Decarbed:** By request only
**TRUE Full Spectrum:** No
**Broad Spectrum:** Yes
**Custom Potency:** Can be diluted to desired potency
**Color:** Light to dark honey
**Appearance:** Liquid
**Consistency:** Medium viscosity
**COA:** Available upon request

**Active Ingredients:**
- Cannabidiol (CBD)
- Cannabinol (CBN)
- Cannabigerol (CBG)
- Cannabidivarin (CBDV)
- Naturally Present Terpenes*

**Broad Spectrum Zero THC Hemp Oil Distillate**

**Microbial Analysis:**
- Total Aerobic Count < 2,000 cfu/g
- Total Yeast and Mold < 200 cfu/g
- E. Coli = Negative
- Salmonella = Negative
- Aflatoxins = Negative

**Contaminant Analysis:**
- Heavy Metals: Not Detected (ND)
- Lead: ND
- Arsenic: ND
- Residual Solvents: ND

* Naturally present terpenes are carefully separated during the extraction and purification process and are added back into the distillates to more accurately reflect their true profile as in nature. As such, terpene profiles are highly customizable.
CRYSTAL RESISTANT BROAD SPECTRUM DISTILLATE
Our exclusive *Crystal Resistant Broad Spectrum Distillate* features an array of cannabinoids, but unlike other CBD-rich distillates with cannabidiol concentrations higher than 60%, our Crystal Resistant distillate will not crystalize at high CBD concentrations. This makes it the ultimate phytocannabinoid-rich distillate option for vape cartridges.

Like our standard *Broad Spectrum THC Free Help Oil Distillate*, our crystal resistant option is 100% THC Free, and is *exceptionally rich* in the rare cannabinoids Cannabigerol (CBG) and Cannabinol (CBN), and Cannabichromene (CBC).
PURE CBD & CANNABINOID ISOLATES
PURE CBD & CANNABINOID ISOLATES

Our Registered Industrial Hemp-derived pure cannabinoid isolates test at a minimum of 99%+ purity and can be ordered in bulk quantities. All pure CBD and cannabinoid isolates are 3rd party lab tested and verified 100% THC Free.

- 100% THC Free
- 100% Odor Free
- Pure White
- Nothing Synthetic
- No Residual Solvents
- No Heavy Metals
- No Pesticides
- Non-GMO
- COAs Available on Request

Our cannabinoid isolates are the most stable and purest in the world. Because of the exclusive and proprietary manufacturing processes we use and the high percentage of CBD naturally present in our plants, our pure CBD crystals break down at a much higher temperature than CBD isolate manufactured from suppliers using low quality overseas industrial hemp with genetics based on fiber production. As a result, our pure 99%+ CBD is perfect for baking, cooking, confections and various formulations requiring heat while other inferior produced isolate will experience a loss rate of up to 25% during formulations.

A truly superior CBD isolate crystal

Our registered industrial hemp produces naturally over 18% Cannabidiol on average. Compare this to true industrial hemp that produces less than a fraction of a percent of CBD.

To produce our award winning CBD crystals, we only need to remove 20-30% of the plant material - unlike our competitors who start at 2-10% CBD and have to remove 90-98% of plant material over and over again (which significantly weakens the CBD molecule).

Because of our high CBD hemp plant starting material, and our gentle refining process, our CBD isolate molecules are not damaged or weakened by any harsh solvents, chemicals, or grueling refining process.

As a result, our CBD isolate has a much longer shelf life, is molecularly stronger and less susceptible to degradation from light and heat.

Supply Contracts available for monthly bulk purchase amounts.

CBD Isolate Applications
- Pharmaceuticals
- Dietary Supplements
- Medical Devices
- Cosmetics
- Edibles
- Beverages
- Topicals

Name: (-)-trans-Cannabidiol
CAS Number: 13956-29-1
IUPAC Name: 2-[(1R,6R)-3-Methyl-6-(1-methylethenyl)-2-cycloexen-1-yl]-5-pentyl-1,3-benzenediol
Chemical Formula: C21H30O2
Molecular Weight: 314.47 g/mol

Scan to see typical lab analysis reports:
Global Cannabinoids offers Full Spectrum and Broad Spectrum Zero THC water soluble powders and liquids as well as pure CBD crystalline isolate nano water soluble liquid concentrates. Our water soluble hemp derived phytocannabinoid-rich (PCR) formulations are based on a nano particulate delivery system of microemulsions. This water soluble technology is the delivery system of the future for cannabinoids. Smaller particle sizes lead to much higher absorption rates within the body.

Hemp oil nanoemulsions are now being used in a number of commercial areas including the cosmetic, pharmaceutical and food industries. Their lipophilic (oily) interior (i.e. ability to dissolve in fats, oils and lipids) makes nanoemulsions a much better option for transporting lipophilic compounds compared to liposomes, since nanoemulsions more efficiently enable a higher absorption of active ingredients across the cell membrane. Due to their transparent properties and extremely small droplet size of nanoemulsions, there is no phase-separation (oil separating from water). This allows for the formulation of sprayable products.

- Completely Water Soluble
- Nanoparticle Delivery System
- Micro Emulsions
- Fully Absorbable
- More Bioavailable
- Available in Powder & Liquid
- No Heavy Metals
- No Pesticides
- Non-GMO
- GMP Compliant
- Custom Formulations Available

WATER SOLUBLE PRODUCT OPTIONS

Full or Broad Spectrum Water Soluble PCR Powders
A powder which is manufactured by spray drying cannabidiol oil with a surfactant and emulsifier.

Full or Broad Spectrum Water Soluble PCR Liquids
An 18 mg cannabinoids per mL water soluble PCR liquid solution that can be used in the formulation of a variety of CBD products such as drink products and sublingual tinctures.

Crystalline CBD Water Soluble Liquid
A 10 mg per mL pure CBD water soluble crystalline nano formulation concentrate that has very little to no taste or color because it is made with 99%+ pure CBD crystalline isolate.
FULL SPECTRUM WATER SOLUBLE CBD POWDER

A fine Full Spectrum cannabinoid concentration powder which is manufactured by spray drying phytocannabinoid-rich full spectrum distillate with a surfactant and emulsifier. Used as a dietary supplement for its anti-inflammatory, anticonvulsant, antioxidant, antiemetic, anxiolytic and antipsychotic agent properties.

THC Range: <0.1% THC
Cannabinoid Concentration: 10%-50%
Decarbed: Yes
Non-Decarbed: Not available
Particle Size: ~25 Nanometers particle size
Full Spectrum: Yes
Custom Potency: Can be formulated to desired potency
Source: Vegetarian
GMO Status: Non-GMO
Character/Appearance: Yellowish to Beige Powder
Color: Various shades of yellow. Because this is an herbal product, there is likely to be minor color variation because of geographical and seasonal variations of the raw material.
Country of Origin: USA
Storage: Cool and dry, below 30°C, avoid direct sunlight
Shelf Life: 24 months unopened–6 months after opening
Label: N/A Bulk Product
Packing & Storage: Bulk boxes, double plastic liner
COA: Available upon request

Ingredients: Full Spectrum Hemp Oil Distillate, Medium Chain Triglycerides (MCT Oil Powder), Polysaccharide Carbohydrate

Standard Active Ingredients:
- Cannabidiol (CBD)
- Cannabidiolic Acid (CBDa)
- Cannabigerol (CBG)
- Cannabigerolic Acid (CBGa)
- Cannabinol (CBN)
- Tetrahydrocannabinol (d9 THC)
- Tetrahydrocannabinolic Acid (THCa)

Common Terpene Profile:
- Beta-Caryophyllene
- Alpha-Humulene
- Caryophyllene oxide
- Myrcene
- Alpha-Pinene
- Terpinolene
- Humulene epoxide
- Beta-Pinene
- E-Beta-Ocimene
- Linalool

Contaminant Analysis:
- Heavy Metals: Not Detected (ND)
- Lead: ND
- Arsenic: ND
- Residual Solvents: ND

Microbial Analysis:
- Total Aerobic Count < 2,000 cfu/g
- Total Yeast and Mold < 100 cfu/g
- E. Coli = Negative
- Salmonella = Negative
- Aflatoxins = Negative
FULL SPECTRUM WATER SOLUBLE CBD LIQUID

A Full Spectrum water soluble CBD liquid solution that can be used in the phytocannabinoid-rich formulation of a variety of CBD products such as drink products and sublingual tinctures.

THC Range: <0.3% THC
Cannabinoid Concentration: 10 mg-100 mg per mL
Decarbed: Yes
Non-Decarbed: Available option
Particle Size: ~25 Nanometers particle size
TRUE Full Spectrum: Yes
Custom Potency: Can be formulated to various potencies
Source: Vegetarian
GMO Status: Non-GMO
Character/Appearance: Milky white liquid
Taste: Slightly bitter. Can be modified to specs.
Best to use with flavored beverages or tinctures.
Country of Origin: USA
Storage: Cool and dry, below 30c, avoid direct sunlight
Shelf Life: 24 months unopened–6 months after opening in sealed container
Label: N/A Bulk Product
Packing & Storage: Bulk plastic container
COA: Available upon request

Active Ingredients:
- Cannabidiol (CBD)
- Cannabinol (CBN)
- Cannabigerol (CBG)
- Cannabichromene (CBC)
- Cannabidolic Acid (CBDA)
- Tetrahydrocannabinol (d9 THC)
- Tetrahydrocannabinolic Acid (THCa)
- Naturally Present Terpenes

Common Terpene Profile:
- Beta-Caryophyllene
- Alpha-Humulene
- Caryophyllene oxide
- Myrcene
- Alpha-Pinene
- Terpinolene
- Humulene epoxide
- Beta-Pinene
- E-Beta-Ocimene
- Linalool

Contaminant Analysis:
- Heavy Metals: Not Detected (ND)
- Lead: ND
- Arsenic: ND
- Residual Solvents: ND

Microbial Analysis:
- Total Aerobic Count < 2,000 cfu/g
- Total Yeast and Mold < 100 cfu/g
- E. Coli = Negative
- Salmonella = Negative
- Aflatoxins = Negative

GLOBAL CANNABINOIDS | 1701 CALIFORNIA ST, STE 1070, DENVER, CO 80202 | (719) 422-3421 | globalcannabinoids.io
BROAD SPECTRUM WATER SOLUBLE CBD POWDER

A fine Broad Spectrum Zero THC cannabinoid concentration full spectrum powder which is manufactured by spray drying phytocannabinoid-rich oil with a surfactant and emulsifier. Used as a dietary supplement for its anti-inflammatory, anticonvulsant, antioxidant, antiemetic, anxiolytic and antipsychotic agent properties.

THC Range: 0% THC
Cannabinoid Concentration: 10%-50%
Decarbed: Yes
Non-Decarbed: Not available
Particle Size: ~25 Nanometers particle size
TRUE Full Spectrum: No
Custom Potency: Can be formulated to desired potency
Source: Vegetarian
GMO Status: Non-GMO
Character/Appearance: Yellowish to Beige Powder
Color: Various shades of yellow. Because this is an herbal product, there is likely to be minor color variation because of geographical and seasonal variations of the raw material.
Country of Origin: USA
Storage: Cool and dry, below 30°C, avoid direct sunlight
Shelf Life: 24 months unopened–6 months after opening
Label: N/A Bulk Product
Packing & Storage: Bulk boxes, double plastic liner
COA: Available upon request

Ingredients:
- Full Spectrum Hemp Oil Distillate
- Medium Chai Triglycerides (MCT Oil Powder)
- Polysaccharide Carbohydrate

Standard Active Ingredients:
- Cannabidiol (CBD)
- Cannabidiolic Acid (CBDA)
- Cannabigerol (CBG)
- Cannabigerolic Acid (CBGa)
- Cannabinol (CBN)

Common Terpene Profile:
- Beta-Caryophyllene
- Alpha-Humulene
- Caryophyllene oxide
- Myrcene
- Alpha-Pinene
- Terpinolene
- Humulene epoxide
- Beta-Pinene
- E-Beta-Ocimene
- Linalool

Contaminant Analysis:
- Heavy Metals: Not Detected (ND)
- Lead: ND
- Arsenic: ND
- Residual Solvents: ND

Microbial Analysis:
- Total Aerobic Count < 2,000 cfu/g
- Total Yeast and Mold < 100 cfu/g
- E. Coli = Negative
- Salmonella = Negative
- Aflatoxins = Negative

Scan to see typical lab analysis reports:
**BROAD SPECTRUM WATER SOLUBLE CBD LIQUID**

A Broad Spectrum THC Free water soluble liquid solution that can be used in the phytocannabinoid-rich product formulation of a variety of CBD products such as drink products and sublingual tinctures.

<table>
<thead>
<tr>
<th>THC Range:</th>
<th>0% THC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cannabinoid Concentration:</td>
<td>10 mg-100 mg per mL</td>
</tr>
<tr>
<td>Decarbed:</td>
<td>Yes</td>
</tr>
<tr>
<td>Non-Decarbed:</td>
<td>Available option</td>
</tr>
<tr>
<td>Particle Size:</td>
<td>~25 Nanometers particle size</td>
</tr>
<tr>
<td>TRUE Full Spectrum:</td>
<td>No</td>
</tr>
<tr>
<td>Custom Potency:</td>
<td>Can be formulated to various potencies</td>
</tr>
<tr>
<td>Source:</td>
<td>Vegetarian</td>
</tr>
<tr>
<td>GMO Status:</td>
<td>Non-GMO</td>
</tr>
<tr>
<td>Character/Appearance:</td>
<td>Milky white liquid</td>
</tr>
<tr>
<td>Taste:</td>
<td>Slightly bitter. Can be modified to specs. Best to use with flavored beverages or tinctures.</td>
</tr>
<tr>
<td>Country of Origin:</td>
<td>USA</td>
</tr>
<tr>
<td>Storage:</td>
<td>Cool and dry, below 30c, avoid direct sunlight</td>
</tr>
<tr>
<td>Shelf Life:</td>
<td>24 months unopened–6 months after opening in sealed container</td>
</tr>
<tr>
<td>Label:</td>
<td>N/A Bulk Product</td>
</tr>
<tr>
<td>Packing &amp; Storage:</td>
<td>Bulk plastic container</td>
</tr>
<tr>
<td>COA:</td>
<td>Available upon request</td>
</tr>
</tbody>
</table>

**Active Ingredients:**
- Cannabidiol (CBD)
- Cannabinol (CBN)
- Cannabigerol (CBG)
- Cannabichromene (CBC)
- Cannabidiolic Acid (CBDA)
- Naturally Present Terpenes

**Common Terpene Profile:**
- Beta-Caryophyllene
- Alpha-Humulene
- Caryophyllene oxide
- Myrcene
- Alpha-Pinene
- Terpinolene
- Humulene epoxide
- Beta-Piene
- E-Beta-Ocimene
- Linalool

**Contaminant Analysis:**
- Heavy Metals: Not Detected (ND)
- Lead: ND
- Arsenic: ND
- Residual Solvents: ND

**Microbial Analysis:**
- Total Aerobic Count < 2,000 cfu/g
- Total Yeast and Mold < 100 cfu/g
- E. Coli = Negative
- Salmonella = Negative
- Aflatoxins = Negative

**Scan to see typical lab analysis reports:**

**RAW MATERIALS | CBD & HEMP OIL EXTRACTS**

**GLOBAL CANNABINOIDS™**

**100% THC FREE | 100% NATURAL HEMP PRODUCT MADE IN THE USA**

**DERIVED FROM REGISTERED INDUSTRIAL HEMP**
Our **Crystalline CBD Water Soluble Liquid** is a world leading solution to make cannabinoids completely water-soluble in a shelf-stable state. With a concentration of 10 to 100 milligrams of cannabinoids per milliliter of water, this natural raw solution makes it very simple to create your own customized cannabinoid infused products. Because of its true solubility, crystalline CBD can be used to infuse a wide variety of products: hot or cold beverages, foods and cooking oils, topicals and more.

Since cannabinoid particles are a miniscule 25 nanometers in diameter, they effortlessly pass through soft tissue or mucosal membranes, becoming immediately bioavailable. No other process for solubilizing cannabinoids produces bioavailability to this extent. Crystalline CBD will self-homogenize in liquids without separation, similar to how simple syrup mixes evenly and clear into water. This ensures cannabinoids are evenly distributed throughout the product, making it ideal for third-party lab testing for potency and homogeneity variances in samples, especially since the cannabinoids don’t stick to packaging. Consumers can have peace of mind about getting a perfect, predictable and consistent dose every single time.

- 100% Water Soluble
- Zero Separation / Zero Setting
- Disperses like food coloring (Self-Homogenizing)
- Fast Acting (8 minute average activation)
- Predictable Duration
- Works great in all water-based products, hot & cold
- Perfect batch dosing and consistency
- Crystal Clear and Flavorless
- High Bioavailability
- Retail products can be labeled as ALL NATURAL

**THC Range:** 0% THC  
**CBD Concentration:** 10 mg-100 mg per mL  
**THC Free:** Yes  
**Decarbed:** Yes  
**Non-Decarbed:** Available option  
**Particle Size:** ~5 Nanometers particle size  
**TRUE Full Spectrum:** No  
**Custom Potency:** No  
**Source:** Vegetarian  
**GMO Status:** Non-GMO  
**Character/Appearance:** Crystal clear liquid  
**Taste:** Very little taste  
**Country of Origin:** USA  
**Storage:** Cool and dry, below 30c, avoid direct sunlight  
**Shelf Life:** 24 months unopened–6 months after opening in sealed container  
**Label:** N/A Bulk Product  
**Packing & Storage:** Bulk plastic container  
**COA:** Available upon request  

**Standard Active Ingredients:**  
Cannabinoid (CBD)

**Microbial Analysis:**  
Total Aerobic Count < 2,000 cfu/g  
Total Yeast and Mold < 100 cfu/g  
E. Coli = Negative  
Salmonella = Negative  
Aflatoxins = Negative

**Contaminant Analysis:**  
Heavy Metals: Not Detected (ND)  
Lead: ND  
Arsenic: ND  
Residual Solvents: ND

Scan to see typical lab analysis reports:
LIQUID TERPENES & STRAIN PROFILES
LIQUID TERPENES & STRAIN PROFILES

Our liquid terpenes are natural, food grade, Non-GMO, organic steam-distilled terpenes from various plant sources from around the world. They can be used individually to take advantage of each terpene’s unique effect or combined in different formulas for product development. Cannabis-derived terpenes available.

AVAILABLE TERPENE ISOLATES

- Alpha Bisabolol
- Alpha Phellandrene
- Alpha Pinene
- Beta Caryophyllene
- Beta Pinene
- Cadinene
- Camphene
- Camphor
- Citral
- Citronellol
- Delta 3 Carene
- Eucalyptol
- Eugenol
- Gamma Terpinene
- Geraniol
- Humulene
- Limonene
- Linalool
- Nerol
- Nerolidol
- Ocimene
- Para-Cymene
- Phytol
- Pulegone
- Terpineol
- Terpinolene
- Valencene

HYBRID STRAINS

- ACDC
- DogWalker OG
- Girlscout Cookies
- Headband
- Sunset Sherbert
- Super Lemon Haze
- XJ-13 Hybrid
- Tangie
- OG Kush
- Cherry Pie

SATIVA STRAINS

- ATF
- Durban Poison
- Green Crack
- Pineapple Express
- Sativa Blend
- Super Sour Diesel
- Trainwreck
- Blue Dream
- Lemon Skunk
- Strawana
- Goji OG
- WiFi OG

INDICA STRAINS

- Grandaddy Purple
- Indica
- Tahoe OG
- Gorilla Glue #4
- Blue Cheese
- Orange Cookies
- SFV OG
- Clementine
- Gelato
- Banana Kush
- Zkittles

TYPICAL EFFECT PROFILES

Endless Possibilities! Inquire about additional standard effect profiles and custom formulations. See page 27 to learn more...
KEY CANNABIS TERPENES

BETA-CARYOPHYLLENE

Beta-caryophyllene is a sesquiterpene found in many plants such as Thai basil, cloves, cinnamon leaves and black pepper, and in minor quantities in lavender. It’s aroma has been described as peppery, woody and/or spicy. Caryophyllene is the only terpene known to interact with the endocannabinoid system (CB2). Studies show β–caryophyllene holds promise in cancer treatment plans. Research shows that β–caryophyllene selectively binds to the CB2 receptor and that it is a functional CB2 agonist. Further, β–caryophyllene was identified as a functional non-psychoactive CB2 receptor ligand in foodstuff and as a macrocyclic anti-inflammatory cannabinoid in cannabis.

CAMPHENE

Camphene is monoterpene which emits pungent odors of damp woodlands and fir needles. Camphene may play a critical role in cardiovascular disease. Clinical studies have found camphene reduces plasma cholesterol and triglycerides in hyperlipidemic rats. Given the importance that the control of hyperlipidemia plays in heart disease, the results of this study provide insight into how camphene might be used as an alternative to pharmaceutical lipid lowering agents which are proven to cause intestinal problems, liver damage and muscle inflammation. This finding alone warrants further investigation.

CARENE

Delta-3-carene is a bicyclic monoterpene with a sweet, pungent odor. It is found naturally in many healthy, beneficial essential oils, including cypress oil, juniper berry oil and fir needle essential oils. In higher concentrations, delta-3-carene can be a central nervous system depressant. It is often used to dry out excess body fluids, such as tears, mucus, and sweat.

GERANIOL

Geraniol produces a sweet, delightful smell similar to roses. This makes geraniol a popular choice for many bath and body products. It is also known to be an effective mosquito repellent. Medically, geraniol shows promise in the treatment of neuropathy.

HUMULENE

Humulene is a sesquiterpene also known as α-humulene and β--caryophyllene; an isomer of β-caryophyllene. Humulene is found in hops, cannabis sativa strains, and Vietnamese coriander, among other naturally occurring substances. Humulene is what gives beer its distinct 'hoppy' aroma. Humulene is considered to be anti-tumor, anti-bacterial, anti-inflammatory, and anorectic (suppresses appetite). It has commonly been blended with β-caryophyllene and used as a major remedy for inflammation. Humulene has been used for generations in Chinese medicine. It aids in weight loss by acting as an appetite suppressant.

LINALOOL

Linalool is a monoterpenoid and has been described as having floral and lavender undertones. Varieties high in linalool promote calming, relaxing effects. Linalool has been used for centuries as a sleep aid. Linalool lessens the anxious emotions provoked by pure THC, thus making it helpful in the treatment of both psychosis and anxiety. Studies also suggest that linalool boosts the immune system; can significantly reduce lung inflammation; and can restore cognitive and emotional function (making it useful in the treatment of Alzheimer’s disease).

LIMONENE

Limonene is a monoterpenoid and one of two major compounds formed from pinene. As the name suggests, varieties high in limonene have strong citrusy smells like oranges, lemons and limes. Strains high in limonene promote a general uplift in mood and attitude. This citrusy terpene is the major constituent in citrus fruit rinds, rosemary, juniper and peppermint, as well as in several pine needle oils. Limonene is highly absorbed by inhalation and quickly appears in the bloodstream. Clinical studies have shown that it assists in the absorption of other terpenes through the skin and other body tissue.

MYRCENE

Myrcene, specifically β–myrcene, is a monoterpene and the most common terpene produced by cannabis (some varieties contain up to 60% of the essential oil). Its aroma has been described as musky, earthy, herbal – akin to cloves. A high myrcene level in cannabis (usually above 0.5%) results in the well-known “couch-lock” effect of classic Indica medicinal cannabis strains. Myrcene is found in oil of hops, citrus fruits, bay leaves, eucalyptus, wild thyme, lemon grass and many other plants. Myrcene has some very special medicinal properties, including lowering the resistance across the blood to brain barrier, allowing itself and many other chemicals to cross the barrier easier and more quickly.

PHELLANDRene

Phellandrene is described as pepperminty, with a slight scent of citrus. Phellandrene is believed to have special medicinal values. It has been used in Traditional Chinese Medicine to treat digestive disorders. It is one of the main compounds in turmeric leaf oil, which is used to prevent and treat systemic fungal infections.

PINENE

Akin to its name, pinene has distinctive aromas of pine and fir. Pinene is one of the principal monoterpenes that is important physiologically in both plants and animals. It tends to react with other chemicals, forming a variety of other terpenes (like limonene) and other compounds. Pinene is used in medicine as an anti-inflammatory, expectorant, bronchodilator and local antiseptic. Clinical studies indicate that the effects of THC may be lessened if mixed with pinene.

PULEGONE

Pulegone, a monocyclic monoterpenoid, is a minor component of cannabis. Higher concentrations of pulegone are found in rosemary. Rosemary breaks down acetylcholine in the brain, allowing nerve cells to communicate more effectively with one another. An ethnopharmacology study indicates pulegone may have significant sedative and fever-reducing properties. It may also alleviate the side effects of short-term memory loss sometimes associated with long term use of THC.

TERPINEOL

α-Terpineol, terpinen-4-ol, and 4-terpineol are three closely related monoterpenoids. The aroma of terpineol has been compared to lilacs and flower blossoms. Terpineol is often found in cannabis varieties that have high pinene levels, which unfortunately mask the fragrant aromas of terpineol. Terpineol specifically α-terpineol, is known to have calming, relaxing effects. It also exhibits antibiotic, ACE inhibitor and antioxidant antimalarial properties.

TERPINOLENE

Terpinolene is a common component of sage and rosemary and is found in the oil derived from Monterey cypress. Its largest use in the United States is in soaps and perfumes. It is also a great insect repellent. Terpinolene is known to have a piny aroma with slight herbal and floral nuances. It tends to have a sweet flavor reminiscent of citrus fruits like oranges and lemons. Terpinolene has been found to be a central nervous system depressant used to induce drowsiness or sleep or to reduce psychological excitement or anxiety. Further, terpinolene was found to markedly reduce the protein expression of AKT1 in K562 cells and inhibited cell proliferation involved in a variety of human cancers.

CONTENT SOURCE: MedicalJane.com

Included for educational purposes only. It is highly recommended to obtain legal consultation prior to making specific health claims on your product.
STANDARD CBD OIL TINCTURES / DROPS
CBD OIL TINCTURES / DROPS

CBD sublingual tinctures are an excellent way to administer pure CBD or a full spectrum of phytocannabinoids to the body. Designed to be taken orally, our standard CBD oil tinctures are oil-based, NOT alcohol-based and are always in stock in Natural, Mint or Lemon flavors.

Full Traceability and Transparency
Our tinctures are all born from carefully developed and proprietary strains of hemp that have been derived from fully traceable USDA registered industrial hemp. ISO and GMP-compliant traceability reports and COAs are always available and provided upon request.

Ready to Ship Inventory
Choose from our standard 250 mg, 500 mg, 1000 mg and 1500 mg tinctures in various formats such as White (No) Label, Private Label and in-house brands that are always in stock and ready to ship within 48 hours. Real-time inventory visibility and online ordering is available 24/7 for registered and qualified customers.

Product Formulation
We ROCK custom formulation like no other supplier and can help you customize your tinctures in any pure CBD or phytocannabinoid-rich ingredient concentration of your choice, add flavors, terpene effect profiles, or shop from our standard 250 mg, 500 mg, 1000 mg and 1500 mg stock formulas. We have a solution for you if you’re just trying to get into the game, or change it.

In-House Manufacturing
Enjoy shorter lead times on high quality manufacturing. All finished products are manufactured in our 300,000 square ft GMP/ISO/OTC-certified facility with the top-of-the-line tincture filling equipment capable of filling, capping, sealing and lot coding and labeling.

Fast Lead Times
From start to finish we offer the fastest lead times in the industry. White label (unlabeled) products ship within 48 hours. Private labeled products typically ship within 2 weeks. Custom formulations from concept to test batch to shelf-ready product typically happen within 30-60 days.

Starting a New Brand?
We don’t just manufacture your products, we can help you build trusted brands. From start to finish, our knowledgeable staff can assist you with building your CBD supplement brand, guide you through regulatory affairs, and help you get to market quickly.

Low MOQs
Get started today with a low minimum order quantity of 100 units of turnkey in-house tincture brands or White Label (non-labeled) units. Our MOQ for private label products is 500 units.

Unparalleled Customer Service
Great execution is worthless without great customer service. We are very easy to reach and respond to all messages the same day. We keep you notified every step of the way with your order from payment, to fulfillment and shipping and tracking.

5 Tincture Types
We have five different types of tinctures available: TRUE Full Spectrum Whole Hemp Extract, Full Spectrum Hemp Oil Distillate, Broad Spectrum Zero THC Hemp Oil Distillate, Pharma Grade THC Free Pure CBD, and Custom Formula Tinctures. There isn’t a phytocannabinoid-rich or pure CBD tincture we can’t build and supply you with consistently. With our comprehensive range of hemp oil options and your choice of terpenes and varying cannabinoid concentrations, the product development options and finished product sales opportunities become virtually endless.
TRUE FULL SPECTRUM WHOLE HEMP EXTRACT TINCTURES

A TRUE Full Spectrum Whole Hemp Extract oil tincture with less than 0.3% THC. This tincture contains an array of cannabinoids such as Cannabidiol (CBD), Cannabichromene (CBC), Cannabigerol (CBG), Cannabinoil (CBN), Cannabidivarin (CBDV) to name a few. In addition, various naturally occurring terpenes, amino acids, essential vitamins, minerals, and fatty acids are also included. Standard formulas are always in stock in Natural, Mint and Lemon flavors.

Active Ingredients:
- Cannabidiol (CBD)
- Cannabinol (CBN)
- Cannabigerol (CBG)
- Cannabichromene (CBC)
- Cannabidiolic Acid (CBDA)
- Tetrahydrocannabinol (d9 THC)
- Tetrahydrocannabinolic Acid (THCa)
- Naturally Present Terpenes

Microbial Analysis:
- Total Aerobic Count < 2,000 cfu/g
- Total Yeast and Mold < 200 cfu/g
- E. Coli = Negative
- Salmonella = Negative
- Aflatoxins = Negative

Contaminant Analysis:
- Heavy Metals: Not Detected (ND)
- Lead: ND
- Arsenic: ND
- Residual Solvents: ND

SUGGESTED USE
Shake gently before each use. Use twice daily. Place under the tongue, allow to absorb for 60 to 90 seconds, and then swallow. Use once daily or as recommended by your healthcare provider.

Consult your physician before use if you are pregnant, breastfeeding, or have a medical condition and are taking any prescription medications. Do not use if seal is broken or missing. Store in a cool, dark location. Keep out of reach of children and pets.

* Although in very small amounts, this product contains THC. Taking more than the recommended dosage may produce mild psychoactive effects. Use of this product may cause you to fail a drug test.
FULL SPECTRUM HEMP OIL DISTILLATE TINCTURES

A Full Spectrum Hemp Oil Distillate oil tincture with less than 0.3% THC. This tincture contains an array of cannabinoids such as Cannabidiol (CBD), Cannabichromene (CBC), Cannabigerol (CBG), Cannabinol (CBN), Cannabidivarin (CBDV) to name a few. Standard formulas are always in stock in Natural, Mint and Lemon flavors.

Standard Bottle: 1 fl oz (30 mL)
Total Cannabinoid Range: 8.9% - 35.7%
(Based on 30 mL volume)
CBD Range: 0.0080% - 0.0321%
THC Range: 0.1%-0.3% THC
Winterized: Yes
Decarbed: Yes
Non-Decarbed: By request only
TRUE Full Spectrum: No
Standard Potencies: 250 mg / 500 mg / 1000 mg / 1500 mg
Custom Potency: Available option*
Color: Clear with tint
Appearance: Liquid
Consistency: Thin viscosity
COA: Available upon request
Bottle Color: Amber
Standard Carrier Oil: MCT Oil
Standard Flavors: Natural, Mint and Lemon
Packaging: Sold in 100 unit case packs
30 mL Bottle Label Dimensions: 4" X 1.625"
White (No) Label Available: Yes, in 100 unit case packs
Private Label: Yes. Standard formula/flavors, MOQ 500 units
Shelf Life: 12 months unopened. Store in a cool, dark location

Active Ingredients:
Cannabidiol (CBD)
Cannabinol (CBN)
Cannabigerol (CBG)
Cannabichromene (CBC)
Cannabidiolic Acid (CBDA)
Tetrahydrocannabinol (d9 THC)
Tetrahydrocannabinolic Acid (THCa)
Naturally Present Terpenes

Microbial Analysis:
Total Aerobic Count < 2,000 cfu/g
Total Yeast and Mold < 200 cfu/g
E. Coli = Negative
Salmonella = Negative
Aflatoxins = Negative

Contaminant Analysis:
Heavy Metals: Not Detected (ND)
Lead: ND
Arsenic: ND
Residual Solvents: ND

SUGGESTED USE
Shake gently before each use. Use twice daily. Place under the tongue, allow to absorb for 60 to 90 seconds, and then swallow. Use once daily or as recommended by your healthcare provider.

Consult your physician before use if you are pregnant, breastfeeding, or have a medical condition and are taking any prescription medications. Do not use if seal is broken or missing. Store in a cool, dark location. Keep out of reach of children and pets.

SUPPLEMENT FACTS
Serving Size 1 mL (or 1 dropper)
Servings Per Container 30

<table>
<thead>
<tr>
<th>Supplement Facts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount Per Serving</td>
</tr>
<tr>
<td>Full Spectrum Hemp Oil Extract</td>
</tr>
</tbody>
</table>

† Daily Value not established.

Other Ingredients: Medium Chain Triglyceride Oil, Peppermint Essential Oil

* Although in very small amounts, this product contains THC. Taking more than the recommended dosage may produce mild psychoactive effects. Use of this product may cause you to fail a drug test.
BROAD SPECTRUM ZERO THC HEMP OIL DISTILLATE TINCTURES

Broad Spectrum Zero THC hemp oil distillate tincture is a phytocannabinoid-rich formula which contains 0% THC with an array of cannabinoids such as Cannabidiol (CBD), Cannabichromene (CBC), Cannabigerol (CBG), Cannabinol (CBN), Cannabidivarin (CBDV) to name a few. In addition, various naturally occurring terpenes, amino acids, essential vitamins, minerals, and fatty acids. Standard formulas are always in stock in Natural, Mint and Lemon flavors.

Standard Bottle: 1 fl oz (30 mL)
Total Cannabinoid Range: 8.9% - 35.7%
(Based on 30 mL volume)
CBD Range: 0.0080% - 0.0321%
THC Range: 0% THC
Winterized: Yes
Decarbed: Yes.
Non-Decarbed: By request only
TRUE Full Spectrum: No
Broad Spectrum: Yes
Standard Potencies: 250 mg / 500 mg / 1000 mg / 1500 mg
Custom Potency: Available option*
Color: Clear with tint
Appearance: Liquid
Consistency: Thin viscosity
COA: Available upon request
Bottle Color: Amber
Standard Carrier Oil: MCT Oil
Standard Flavors: Natural, Mint and Lemon
Packaging: Sold in 100 unit case packs
30 mL Bottle Label Dimensions: 4” X 1.625”
White (No) Label Available: Yes, in 100 unit case packs
Private Label: Yes. Standard formula/flavors, MOQ 500 units
Shelf Life: 12 months unopened. Store in a cool, dark location

* See the Custom CBD Tinctures section for available options.

LABEL CONTENT

Supplement Facts

<table>
<thead>
<tr>
<th>Serving Size 1 mL (or 1 dropper)</th>
<th>Servings Per Container 30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount Per Serving</td>
<td>% Daily Value*</td>
</tr>
<tr>
<td>Broad Spectrum Hemp Oil Extract</td>
<td>33 mg</td>
</tr>
</tbody>
</table>

† Daily Value not established.

Other Ingredients: Medium Chain Triglyceride Oil, Peppermint Essential Oil

SUGGESTED USE

Shake gently before each use. Use twice daily. Place under the tongue, allow to absorb for 60 to 90 seconds, and then swallow. Use once daily or as recommended by your healthcare provider.

Consult your physician before use if you are pregnant, breastfeeding, or have a medical condition and are taking any prescription medications. Do not use if seal is broken or missing. Store in a cool, dark location. Keep out of reach of children and pets.
PHARMA-GRADE THC FREE
PURE CBD TINCTURES

An exclusive standardized **100% THC Free** formula based on 99% pure CBD and MCT (Medium Chain Triglyceride) oil. Always in stock in Natural, Mint or Lemon flavor, and available to ship for White Label orders within 48 hours.

**Standard Bottle:** 1 fl oz (30 mL)
**Total Cannabinoid Range:** 8.9% - 35.7% (Based on 30 mL volume)
**CBD Range:** 8.9% - 35.7%
**THC Range:** 0% THC
**Decarbed:** Yes.
**Non-Decarbed:** By request only
**TRUE Full Spectrum:** No
**Broad Spectrum:** Can be customized*
**Standard Potencies:** 250 mg / 500 mg / 1000 mg / 1500 mg
**Custom Potency:** Can be formulated to desired potency
**Color:** Clear
**Appearance:** Liquid
**Consistency:** Thin viscosity
**COA:** Available upon request
**Bottle Color:** Amber
**Standard Carrier Oil:** MCT Oil
**Standard Flavors:** Mint and Lemon
**Packaging:** Sold in 100 unit case packs
**30 mL Bottle Label Dimensions:** 3.9375” X 1.6875”
**White (No) Label Available:** Yes, in 100 unit case packs
**Private Label:** Yes. Standard formula/flavors, MOQ 500 units
**Shelf Life:** 12 months unopened. Store in a cool, dark location.

* See the Custom CBD Tinctures section for available options.

---

**Active Ingredients:**
- Cannabidiol (CBD)

**Microbial Analysis:**
- Total Aerobic Count < 2,000 cfu/g
- Total Yeast and Mold < 200 cfu/g
- E. Coli = Negative
- Salmonella = Negative
- Aflatoxins = Negative

**Contaminant Analysis:**
- Heavy Metals: Not Detected (ND)
- Lead: ND
- Arsenic: ND
- Residual Solvents: ND

---

**Supplement Facts**

<table>
<thead>
<tr>
<th>Serving Size 1 mL (or 1 dropper)</th>
<th>Servings Per Container 30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hemp Oil Cannabidiol Extract</td>
<td>33 mg</td>
</tr>
</tbody>
</table>

† Daily Value not established.

**Other Ingredients:** Medium Chain Triglyceride Oil, Lemon Essential Oil

---

**SUGGESTED USE**

Shake gently before each use. Use twice daily. Place under the tongue, allow to absorb for 60 to 90 seconds, and then swallow. Use once daily or as recommended by your healthcare provider.

Consult your physician before use if you are pregnant, breastfeeding, or have a medical condition and are taking any prescription medications. Do not use if seal is broken or missing. Store in a cool, dark location. Keep out of reach of children and pets.

DERIVED FROM REGISTERED INDUSTRIAL HEMP
CUSTOM CBD OIL TINCTURES / DROPS
CUSTOM CBD TINCTURES

Need a tincture with custom formulation blend or milligram potency? Want to target a certain demographic, medical condition or market type? No problem. We understand that a custom tincture can be more effective in many situations both for customer use and marketing purposes.

With the purchase of as little as 2,500 units, you can immediately begin the development of your own custom tincture. Choose from the many different options including oil type, terpenes, flavors and more. Our highly experienced GMP certified formulation lab technicians will not only custom blend your formulation, but also provide consulting advice along the way.

### STEP 1
**CHOOSE YOUR CBD OIL TYPE**

<table>
<thead>
<tr>
<th>Full Spectrum Whole Hemp Extract</th>
<th>Full Spectrum Hemp Oil Distillate</th>
<th>Broad Spectrum THC Free Hemp Oil Distillate</th>
<th>Pharma Grade THC Free Pure CBD</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="&lt;0.3% THC" /></td>
<td><img src="image2" alt="&lt;0.3% THC" /></td>
<td><img src="image3" alt="0% THC" /></td>
<td><img src="image4" alt="0% THC" /></td>
</tr>
</tbody>
</table>

**ADDITIONAL OPTIONS**

**Nanotized Option:** Liposomal microemulsion nanotized tinctures are available for all oil types at an additional cost of $0.01 per active milligram.

### STEP 2
**CHOOSE YOUR CBD MILLIGRAM STRENGTH**

Define the per active CBD milligram per milliliter concentration of your tincture. Based on 28 mL of liquid in a 30 mL bottle, choose any concentration between 100 mg and 5000 mg of active CBD.

### STEP 3
**CHOOSE YOUR CARRIER OIL**

**MCT Oil**
Fractionated Coconut Oil (MCT Oil - Medium Chain Triglycerides) is made from the highest quality coconuts and is an excellent carrier for our pure phytocannabinoid rich hemp oil extract. Preferred choice for full spectrum carrier oil.

**Hemp Seed Oil**
Hemp seed oil is made from cold pressing hemp seeds. This oil contains many essential fatty acids and antioxidants. Preferred choice for THC free formulations. Organic grape seed oil and olive oil are available as well.
STEP 5
CHOOSE YOUR BOTTLE

Choose from **10 mL**, **30 mL** (1 oz) and **60 mL** (2 oz) bottles.

**Amber is our standard bottle color.** Cobalt blue or green bottles available for monthly supply volume contract customers. A standard glass pipette dropper assembly with a shrink band seal is our standard closure. Child-resistant, spray pump assembly or metered pipettes are available for custom orders. *(Full case MOQs may be applicable)*

### 10 mL (10 cc / .34 oz) Bottle Specifications
- **Neck Finish:** 18-415
- **Overflow Capacity:** N/A
- **Height with Dropper:** 1.8” / 45.72 mm
- **Diameter:** .77 in / 19.56 mm
- **Pipette Capacity:** .5 mL
- **Heat Resistance:** Up to 400° F

### 30 mL (30 cc / 1 oz) Bottle Specifications
- **Neck Finish:** 20-400
- **Overflow Capacity:** 36.2 cc / 1.2 oz / 35.5 mL
- **Height with Dropper:** 4” / 101.6 mm
- **Diameter:** 1.25 in / 31.75 mm
- **Pipette Capacity:** 1 mL
- **Heat Resistance:** Up to 400° F

### 60 mL (60 cc / 2 oz) Bottle Specifications
- **Neck Finish:** 20-400
- **Overflow Capacity:** 72.4 cc / 2.4 oz / 71 mL
- **Height with Dropper:** 4.625” / 93.7 mm
- **Diameter:** 1.52 in / 38.6 mm
- **Pipette Capacity:** 1.5 mL
- **Heat Resistance:** Up to 400° F

STEP 6
CHOOSE YOUR PACKAGING OPTIONS

Our standard case packs is 100 units. We can accommodate customized configurations based on order volume. Turnkey packaging design and print production services are available.

<table>
<thead>
<tr>
<th>Bottle Label Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>10 mL:</strong> 3.0625” X 1.125”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Retail Carton Dimensions*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>30 mL (1 oz bottle):</strong> 1.3” X 1.3” X 4.4”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>24 Unit Case Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>10 mL:</strong> 2” X 5” X 5”</td>
</tr>
</tbody>
</table>

Full Service Graphic Design and Packaging Print Production Management Services Available

We have full time graphic designers on staff that specialize in cannabis industry and dietary supplement product packaging design as well printing project management services and a network of specialized packaging vendors that provide the best combination of quality, service and competitive pricing.

For artwork layout templates: Email your request to fp@globalcannabinoids.io

* Retail cartons are available for 30 mL and 60 mL bottles at an additional cost beyond our standard private label bottling fee. Refer to the Additional Services section of our price lists for costs.
30 mL/1 fl oz Label Template

1/8" BLEED ARTWORK DIMENSIONS: 4.25” x 1.875” (101.6 X 41.28 mm)

ARTWORK RESOLUTION: 300ppi
RECOMMENDED FILE FORMAT: Press-Ready PDF

It is recommended that you convert fonts to outlines in final press-ready artwork file.

EXAMPLE (500 mg Full Spectrum, Mint Flavor)

MINT FLAVOR
Full Spectrum Phytocannabinoid-Rich Hemp Oil Extract Tincture
Contains less than 0.3% THC

SUGGESTED USE
Dropper gently before each use, use twice daily. Place under the tongue, hold for 60 seconds and then swallow.

Store in a cool, dry and dark location.
Keep out of reach of children and pets. Talk to your doctor before use if you are pregnant, breastfeeding, or have a medical condition and are taking any prescription medications.

1000 mg True Full Spectrum Tincture:

Supplement Facts
Serving Size 1 mL (or 1 dropper)
Servings Per Container 30

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Amount Per Serving</th>
<th>% Daily Value*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Spectrum Hemp Oil Extract</td>
<td>33 mg</td>
<td>†</td>
</tr>
<tr>
<td>† Daily Value not established.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Ingredients: Medium Chain Triglyceride (MCT) Oil, Peppermint Essential Oil</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1000 mg Broad Spectrum Tincture:

Supplement Facts
Serving Size 1 mL (or 1 dropper)
Servings Per Container 30

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Amount Per Serving</th>
<th>% Daily Value*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Broad Spectrum Hemp Oil Extract</td>
<td>33 mg</td>
<td>†</td>
</tr>
<tr>
<td>† Daily Value not established.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Ingredients: Medium Chain Triglyceride (MCT) Oil, Peppermint Essential Oil</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1000 mg Pharma Grade Pure CBD Tincture:

Supplement Facts
Serving Size 1 mL (or 1 dropper)
Servings Per Container 30

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Amount Per Serving</th>
<th>% Daily Value*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hemp Oil Cannabidiol Extract</td>
<td>33 mg</td>
<td>†</td>
</tr>
<tr>
<td>† Daily Value not established.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Ingredients: Medium Chain Triglyceride (MCT) Oil, Peppermint Essential Oil</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

GENERAL TIPS

Until such time that the FDA publishes specific labeling guidelines for cannabis/hemp-derived extract products, it is generally recommended to follow the established guidelines for dietary supplement products. Making specific health claims on your package is not recommended.

To calculate miligrams per serving: Divide the total amount of active ingredients in the bottle by the number of servings. Round up the value for fractional amounts over .49 and round down for values under .50

Example total 500 mg / 30 1 mL servings = 16.66 mg/serving. Round up to 17 mg

If you are working with your own packaging designer, they are free to contact our design team by email (only please) at fp@globalcannabinoids.io for specific design recommendations, design templates, or recommended printing vendors.
CBD SOFT GELS, TABLETS & CAPSULES
CBD SOFT GELS, TABLETS & CAPSULES

Our TRUE Full Spectrum Phytocannabinoid-Rich (PCR) Soft Gel Capsules contain a full spectrum profile of all the synergistic cannabinoids and terpenes that are naturally present within our proprietary high CBD strains of registered industrial hemp.

- Available as TRUE Full Spectrum (<0.3% THC)
- Soft Gels are currently available in 10 mg and 25 mg
- Soft Gels are fully absorbable and more bioavailable
- Available White Label or Private Label
- Custom formulations and various tablet/capsule forms available (MOQs applicable)
- Available in 30 or 60 count bottles

Our standard White / Private Label bottles are white HPDE wide mouth pill packers. Alternative containers are available for custom orders. (Full case MOQs may apply).

**10 mg Full Spectrum Soft Gel**

**Supplement Facts**

<table>
<thead>
<tr>
<th>Serving Size: 1 Soft Gel Capsule</th>
<th>Servings Per Container: 30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calories</td>
<td>9</td>
</tr>
<tr>
<td>Calories from Fat</td>
<td>9</td>
</tr>
<tr>
<td>Total Fat</td>
<td>1 g</td>
</tr>
<tr>
<td>Hemp Oil Extract</td>
<td>10 mg</td>
</tr>
</tbody>
</table>

* Daily Value not established.

Other Ingredients: Gelatin, Coconut Oil (MCT), Sunflower Lecithin, Beta-caryophyllene, Vegetable Glycerine, Sorbic Acid, Water

**25 mg Full Spectrum Soft Gel**

**Supplement Facts**

<table>
<thead>
<tr>
<th>Serving Size: 1 Soft Gel Capsule</th>
<th>Servings Per Container: 30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calories</td>
<td>9</td>
</tr>
<tr>
<td>Calories from Fat</td>
<td>9</td>
</tr>
<tr>
<td>Total Fat</td>
<td>1 g</td>
</tr>
<tr>
<td>Hemp Oil Extract</td>
<td>25 mg</td>
</tr>
</tbody>
</table>

* Daily Value not established.

Other Ingredients: Coconut Oil (MCT), Sunflower Lecithin, Beta-caryophyllene, Sorbic Acid, Gelatin, Vegetable Glycerine, Water

* Although in very small amounts, this product contains THC. Taking more than the recommended amount may produce mild psychoactive effects. Use of this product may cause you to fail a drug test.

**SUGGESTED USE**

Take 1 to 2 soft gels daily.

Store at room temperature, away from light. Keep out of reach of children. Talk to your doctor before use if you are pregnant, nursing, or have a medical condition and are taking any prescription medications. Do not use if seal is missing or broken. Store in a cool, dark location.

DERIVED FROM REGISTERED INDUSTRIAL HEMP

GLOBAL CANNABINOIDS | 1701 CALIFORNIA ST, STE 1070, DENVER, CO 80202 | (719) 422-3421 | globalcannabinoids.io
STANDARD CBD VAPE OILS & E-LIQUID BLENDS
Our exclusive Crystal Resistant Broad Spectrum Distillate CBD vape oil formula is the perfect choice for CBD vape cartridge applications. It will not crystalize at high CBD concentrations of 60% or more. Available as pure distillate or blended.

CRYSTAL RESISTANT VAPE OIL

A standardized THC free 250 mg CBD E-Liquid formula based on either VG (Vegetable Glycerin) or PG (Propylene Glycol) and infused with 99%+ pure CBD isolate and the terpene Effect Profile of your choice. Neutral base formula also available.

CANNABINOIDS TM

CBD VAPE OIL & E-LIQUID BLENDS

CRYSTAL RESISTANT VAPE OIL

Our exclusive Crystal Resistant Broad Spectrum Distillate CBD vape oil formula is the perfect choice for CBD vape cartridge applications. It will not crystalize at high CBD concentrations of 60% or more. Available as pure distillate or blended.

A standardized THC free 250 mg CBD E-Liquid formula based on either VG (Vegetable Glycerin) or PG (Propylene Glycol) and infused with 99%+ pure CBD isolate and the terpene Effect Profile of your choice. Neutral base formula also available.

AVAILABLE STANDARD TERPENE EFFECT/profiles:

Anti-Inflammatory, Energy, Focus, Pain Management, Sleep/Relaxation

True Full Spectrum and Broad Spectrum Custom Formulations Available

Vape Cartridge Filling Services Available

GENERAL SPECIFICATIONS (ALL STANDARD E-LIQUIDS)

<table>
<thead>
<tr>
<th>THC Range: 0% THC</th>
<th>Standard Active Ingredients: Cannabidiol (CBD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decarbed: Yes.</td>
<td>CBD</td>
</tr>
<tr>
<td>Full Spectrum: Available option*</td>
<td></td>
</tr>
<tr>
<td>Broad Spectrum: Available option*</td>
<td></td>
</tr>
<tr>
<td>Standard Potency: 250 mg</td>
<td></td>
</tr>
<tr>
<td>Appearance: Liquid</td>
<td></td>
</tr>
<tr>
<td>Consistency: Thin viscosity</td>
<td></td>
</tr>
<tr>
<td>COA: Available upon request</td>
<td></td>
</tr>
<tr>
<td>Shelf Life: 12 months unopened.</td>
<td></td>
</tr>
<tr>
<td>Store in a cool, dark location.</td>
<td></td>
</tr>
<tr>
<td>Packaging: Sold in 24 unit case packs.</td>
<td></td>
</tr>
<tr>
<td>Bottle Color: Amber</td>
<td></td>
</tr>
<tr>
<td>White (No) Label Available: Yes in 24 unit case packs.</td>
<td></td>
</tr>
<tr>
<td>Private Label: Yes. MOQ 500 units. Add $0.50 to bottling fee.</td>
<td></td>
</tr>
</tbody>
</table>

* Broad and True Full Spectrum oil types are among custom product formulation options

Microbial Analysis:

Total Aerobic Count < 2,000 cfu/g
Total Yeast and Mold < 200 cfu/g
E. Coli = Negative
Salmonella = Negative
Aflatoxins = Negative

Contaminant Analysis:

Heavy Metals: Not Detected (ND)
Lead: ND
Arsenic: ND
Residual Solvents: ND
CUSTOM CBD VAPE OILS & E-LIQUID BLENDS
CUSTOM CBD VAPE OIL & E-LIQUID FORMULATIONS

Need a CBD vape oil or E-Liquid product with a custom formulation blend or milligram potency? Want to target a certain demographic, medical condition or lifestyle market type? No problem.

We understand that a custom vape product can be more effective in many situations both for customer use and marketing purposes.

With the purchase of as little as one kilo of CBD*, you can immediately begin the development of your own custom vape product. Choose from many different options including oil carrier type, terpenes, flavors and more. Our highly experienced GMP certified formulation lab technicians will not only custom blend your formulation but provide consulting advice along the way.

- Fast Lead Times
- Low MOQ
- Turnkey In-House Manufacturing
- Full Traceability & Transparency
- Great Customer Service
- Unlimited Terpene Effect Profile Possibilities

* 1 kilo CBD isolate minimum order required

STEP 1  CHOOSE YOUR CBD OIL TYPE

**Full Spectrum Whole Hemp Extract**

- CBD
- CBN
- CBG
- CBC
- THC
- THCa

<0.3% THC

**Full Spectrum Hemp Oil Distillate**

- CBD
- CBG
- CBC
- CBC
- THCa

<0.3% THC

**Broad Spectrum THC Free Hemp Oil Distillate**

- CBD
- CBG
- CBC
- THCa

0% THC

**Pharma Grade THC Free Pure CBD**

- CBD
- CBG
- CBC
- THCa

0% THC

ADDITIONAL OPTIONS

Crystal Resistant Broad Spectrum Distillate (0% THC)

STEP 2  CHOOSE YOUR CBD MILLIGRAM STRENGTH

Define the per active CBD milligram per milliliter concentration for your unique blend.

**Vape Oil Formulations:** Choose any concentration between 250 mg-750 mg of active CBD designed for .5 mL and 1 mL cartridges.

**Vape E-Liquid Formulations:** Choose any concentration between 100 mg and 5000 mg of active CBD based on 28 mL of liquid in a 30 mL bottle.
**STEP 3  CHOOSE YOUR BASE OIL TYPE**

**MCT Oil (Fractionated Coconut Oil)**
MCT oil is a medium-chain triglyceride. A form of saturated fatty acid with health benefits like improved cognitive function in addition to better weight management. In addition, MCT Oil is an excellent carrier for various vape oil blends.

**Propylene Glycol (PG)**
Propylene glycol is one of the two most common ingredients of E-Liquids bases available on the market today. Used throughout the pharmaceutical industries for decades for oral, inhaled, and intravenous medications. PG is a viscous, colorless, nearly odorless organic compound that is widely used as a diluent (a filler and diluting agent) in medicines, food and beverage, and cosmetics. While vegetable glycerin is thick, sweet, and allows your atomizer to produce a lot of vapor, PG is a better carrier for flavorings with a thinner consistency. This E-liquid base can provide a more powerful throat hit than VG can, like that of a traditional cigarette. PG is very popular for its viscosity, intensity, and vapor temperature. Best of all, PG is a relatively tasteless and odorless substance that won’t affect your favorite flavor, though some discerning vapers claim that it has a faintly sweet taste.

**Vegetable Glycerin (VG)**
Vegetable glycerin is a colorless, viscous, organic compound that acts as a diluent for your unique concoction. VG is thick, sweet, and allows your atomizer to produce a lot of vapor, which is exactly what most cloud-chasers desire. Choosing VG, you can expect a slower absorption rate for wicks and cartomizers as well as less of a throat hit. Many vaping enthusiasts and DIY vapers enjoy the mildly sweet traces of VG mixed with popular flavors.

*We only use USP-grade (United States Pharmacopoeia) PG or VG, so you can be assured that your E-Liquid will be crafted on a foundation of quality components.*

---

**STEP 4  CHOOSE YOUR UNIQUE TERPENE EFFECT PROFILE (OPTIONAL)**

Maximize the spectrum of your vape and enhance your extracts!
Global Cannabinoids enables you to customize the flavor, effect, and viscosity of your vape product through the reintroduction of liquid terpenes. Our liquid terpenes are natural, food grade, Non-GMO, organic steam-distilled terpenes from various plant sources from around the world. They can be used individually to take advantage of each terpene’s unique effect or combined in different formulas for product development.

**TERPENE ISOLATES**
- Alpha Bisabolol
- Alpha Phellandrene
- Alpha Pinene
- Beta Caryophyllene
- Beta Pinene
- Cadinene
- Camphene
- Camphor
- Citral
- Citronellol
- Delta 3 Carene
- Eucalyptol
- Eugenol
- Gamma Terpinene
- Geraniol
- Humulene
- Limonene
- Linalool
- Nerol
- Nerolidol
- Ocimene
- Para-Cymene
- Phytol
- Pulegone
- Terpineol
- Terpinolene
- Valencene

**TERPENE EFFECT PROFILE BLENDS**

*Anti-Inflammatory*
- Myrcene
- Beta Caryophyllene
- Alpha Pinene
- Humulene
- Beta Pinene
- Linalool
- Caryophyllene Oxide
- 2 MORE TERPENES

*Focus*
- Beta Caryophyllene
- Limonene
- Humulene
- Alpha Bisabolol
- Nerodial
- Myrcene
- Beta Pinene
- Alpha Pinene
- Terpineol
- Linalool
- Caryophyllene Oxide
- Phytol
- Camphene
- 4 MORE TERPENES

*Energy*
- Myrcene
- Alpha Pinene
- Beta Caryophyllene
- Linalool
- Humulene
- Limonene
- Beta Pinene
- Caryophyllene Oxide

*Pain Management*
- Myrcene
- Alpha Pinene
- Beta Pinene
- Beta Caryophyllene
- Linalool
- Humulene
- Caryophyllene Oxide
- Phytol
- Valencene
- Geraniol
- Humulene
- Camphene

*Sleep / Relaxation*
- Linalool
- Humulene
- Myrcene
- Beta Caryophyllene
- Alpha Pinene
- 4 MORE TERPENES

*Flavor Options*
Refer to page 28. Flavor options for our custom CBD oil tinctures are available for our custom CBD Vape products as well.

See page 32 for more information about Key Cannabis Terpenes.
### CUSTOM CBD VAPE OIL & E-LIQUID FORMULATIONS

**STEP 5  CHOOSE YOUR BOTTLE**

<table>
<thead>
<tr>
<th>30 mL (1 fl oz) Dropper Bottle</th>
<th>30 mL (1 fl oz) Unicorn Bottle</th>
<th>10 mL (.3 fl oz) Unicorn Bottle</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Material:</strong> Amber Glass</td>
<td><strong>Material:</strong> Clear PET</td>
<td><strong>Material:</strong> Clear PET</td>
</tr>
<tr>
<td><strong>Neck Finish:</strong> 20-400</td>
<td><strong>Neck Finish:</strong> NA</td>
<td><strong>Neck Finish:</strong> NA</td>
</tr>
<tr>
<td><strong>Height with Dropper:</strong> 4” / 101.6 mm</td>
<td><strong>Height with Cap:</strong> 4.76” / 121 mm</td>
<td><strong>Height with Cap:</strong> 2.8” / 71 mm</td>
</tr>
<tr>
<td><strong>Diameter:</strong> 1.25” / 31.75 mm</td>
<td><strong>Diameter:</strong> .83” / 21 mm</td>
<td><strong>Diameter:</strong> .78” / 20 mm</td>
</tr>
<tr>
<td><strong>Label Dimensions:</strong> 4” X 1.625”</td>
<td><strong>Label Dimensions:</strong> 2.5” X 3.375”</td>
<td><strong>Label Dimensions:</strong> 3.75” X 1.325”</td>
</tr>
</tbody>
</table>

### Need full service product design and development?

We have you covered. Our in-house design and development team has all of the talent and expertise to help you fast track your brand to market at a fraction of the cost that it would require for you to hire equivalent staff or freelance designers. We offer not only the best raw materials and finished products in the hemp-derived products industry, but the best professionals that comprise our staff and our strategic partnerships with only the best outside service vendors. We truly offer one-source supplier shopping at its best.

### Cannabinoid Concentrates

Inquire with your rep about available options for our **Full Spectrum** or **Broad Spectrum THC Free** phytocannabinoid-rich concentrates for vape, including terpene-infused CBD Shatter, Crumble and Waxes.

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**Vape Cartridge Filling Services Available**

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GLOBAL CANNABINOIDs | 1701 CALIFORNIA ST, STE 1070, DENVER, CO 80202 | (719) 422-3421 | globalcannabinoids.io
CBD GUMMIES
STANDARD CBD GUMMIES

Our standard gummy edibles are infused and NOT dipped or coated for a premium quality, controlled serving CBD delivery system. We offer an exclusive THC Free Certified Vegan Gummy Square option in 10 mg and 25 mg crystalline isolate CBD concentrations and a variety of flavors (Assorted, Cotton Candy, Green Apple, Orange Cream, Strawberry, Raspberry, Watermelon, Wild Cherry).

We also offer 10 mg Full Spectrum Gummy Bears in a multicolor assortment of 30 or 60 count bottle SKUs.

- THC Free Vegan Gummy Squares available in 10 mg or 25 mg concentrations
- Full Spectrum Gummy Bears available in 10 mg concentration
- Available White Label or Private Label
- Available bulk as well as 30 count or 60 count bottles
- MOQs: 3,000 bulk, 100 units White Label, 500 units Private Label

SUGGESTED USE
Talk to your doctor before use if you are pregnant, nursing, or have a medical condition and are taking any prescription medications. Store at room temperature, away from light. Keep out of reach of children. Do not use if seal is broken or missing.

30 Count Bottle
225 cc White HPDE
Bottle Dimensions: 2.4” X 4.25”
Label Dimensions: 7.3125” x 2.6875”
Standard Case Pack: 12 units
Case Dimensions: 6.5” X 8.5” X 4”

60 Count Bottle
400 cc White HPDE
Bottle Dimensions: 2.874” X 5.063”
Label Dimensions: 8.8125” x 3.5”
Standard Case Pack: 12 units
Case Dimensions: 9.5” X 12” X 5.25”

Supplement Facts
Serving Size 1 Gummy (4.4 g)
Servings Per Container 30

<table>
<thead>
<tr>
<th>Amount Per Serving</th>
<th>%DV*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calories</td>
<td>10</td>
</tr>
<tr>
<td>Total Carbohydrate</td>
<td>3 g  &lt;1%</td>
</tr>
<tr>
<td>Total Sugars</td>
<td>2 g  †</td>
</tr>
<tr>
<td>Includes 2 g Added Sugars</td>
<td>4%</td>
</tr>
<tr>
<td>Cannabidiol (CBD) Isolate</td>
<td>10 mg †</td>
</tr>
</tbody>
</table>

* Percent Daily Value is based on a 2000 calorie diet.
† Daily Value not established.

Other Ingredients: Organic Tapioca Syrup, Organic Cane Sugar, Water, Pectin, Natural and Artificial Flavors, Organic Fruit and Vegetable Juice (for color), Citric Acid, Sodium Citrate, Malic Acid, Organic Sunflower Oil, Organic Carnauba Wax.

Full Spectrum Gummy Bear

SUGGESTED USE
Take 1 to 2 gummies daily.

Talk to your doctor before use if you are pregnant, nursing, or have a medical condition and are taking any prescription medications. Store at room temperature, away from light. Keep out of reach of children. Do not use if seal is broken or missing.

30 Count Bottle
225 cc White HPDE
Bottle Dimensions: 2.4” X 4.25”
Label Dimensions: 7.3125” x 2.6875”
Standard Case Pack: 12 units
Case Dimensions: 6.5” X 8.5” X 4”

60 Count Bottle
400 cc White HPDE
Bottle Dimensions: 2.874” X 5.063”
Label Dimensions: 8.8125” x 3.5”
Standard Case Pack: 12 units
Case Dimensions: 9.5” X 12” X 5.25”

Supplement Facts
Serving Size 1 Gummy (2.5 g)
Servings Per Container 30

<table>
<thead>
<tr>
<th>Amount Per Serving</th>
<th>% Daily Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Spectrum Hemp Oil Extract</td>
<td>10 mg †</td>
</tr>
</tbody>
</table>

† Daily Value not established.

Other Ingredients: Sugar, Gelatin, Citric Acid, Natural Flavored, Natural Coloring, Coconut Oil.
CBD CANDIES & EDIBLES

Our Phytocannabinoid-Rich (PCR) Hard Candies are infused and NOT dipped or coated. When manufactured with your choice of hemp oil extract, our PCR Hard Candy will provide a broad spectrum profile of cannabinoids and terpenes. Need a 100% THC free option? No problem. We can also formulate any of our edibles with our 99% pure CBD formula. Custom blend cannabinoid profile formulations available upon request.

- Available as True Full Spectrum (<0.3% THC) or Broad Spectrum Zero THC
- Available in 10 mg, and 20 mg cannabinoid concentrations
- Available White Label or Private Label
- Available in 30 count or 60 count bottles

Inquire about alternate shapes, edible types and and formulations for custom product orders.

Supplement Facts

<table>
<thead>
<tr>
<th>10 mg Supplement Facts</th>
<th>20 mg Supplement Facts</th>
<th>20 mg Supplement Facts</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Serving Facts</strong></td>
<td><strong>Serving Facts</strong></td>
<td><strong>SUGGESTED USE</strong></td>
</tr>
<tr>
<td>Serving Size 1 Candy (3 g)</td>
<td>Serving Size 1 Candy (3 g)</td>
<td>Take 1 to 2 candies daily.</td>
</tr>
<tr>
<td>Servings Per Container 30</td>
<td>Servings Per Container 60</td>
<td>Talk to your doctor before use if you are pregnant, breastfeeding, or have a medical condition and are taking any prescription medications. Store at room temperature, away from light. Keep out of reach of children. Do not use if seal is broken or missing.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>10 mg Supplement Facts</th>
<th>20 mg Supplement Facts</th>
<th><strong>SUGGESTED USE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Amount Per Serving</strong></td>
<td><strong>Amount Per Serving</strong></td>
<td>Take 1 to 2 candies daily.</td>
</tr>
<tr>
<td>% Daily Value</td>
<td>% Daily Value</td>
<td></td>
</tr>
<tr>
<td>Full Spectrum Hemp Oil Extract 10 mg</td>
<td>Full Spectrum Hemp Oil Extract 20 mg</td>
<td>Take 1 to 2 candies daily.</td>
</tr>
</tbody>
</table>

† Daily Value not established.

Other Ingredients: Sugar, Citric Acid, Natural Flavoring, Natural Coloring.
DERIVED FROM REGISTERED INDUSTRIAL HEMP

10 mg Supplement Facts

<table>
<thead>
<tr>
<th>20 mg Supplement Facts</th>
<th><strong>SUGGESTED USE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Amount Per Serving</strong></td>
<td>Take 1 to 2 candies daily.</td>
</tr>
<tr>
<td>% Daily Value</td>
<td></td>
</tr>
<tr>
<td>Full Spectrum Hemp Oil Extract 20 mg</td>
<td></td>
</tr>
</tbody>
</table>

† Daily Value not established.

Other Ingredients: Sugar, Citric Acid, Natural Flavoring, Natural Coloring.
DERIVED FROM REGISTERED INDUSTRIAL HEMP

SUGGESTED USE
Take 1 to 2 candies daily.

Talk to your doctor before use if you are pregnant, breastfeeding, or have a medical condition and are taking any prescription medications. Store at room temperature, away from light. Keep out of reach of children. Do not use if seal is broken or missing.

RECOMMENDED FOR TRUE FULL SPECTRUM FORMULAS:

* Although in very small amounts, this product contains THC. Taking more than the recommended dosage may produce mild psychoactive effects. Use of this product may cause you to fail a drug test.
CBD FUNCTIONAL FORMULA MINTS
We are excited to introduce our new Full Spectrum CBD mints! Each mint contains 5mg of hemp-derived CBD and is encased in a special patent-pending shell which preserves the shelf life of the active compounds within it. Custom orders available for ENERGY MINTS which contain 10 mg of caffeine and 10 mg of Full Spectrum cannabinoids per mint or RELAXATION MINTS which contain 20 mg of GABA and 10 mg of cannabinoids. Our new mints are a perfect product to introduce into any distribution channel and will provide a unique functional experience to a delicious product that everyone loves.

- 1.25 mm Protective Hard Shell Barrier
- Sugar Shell Causes Increased Saliva Production for Better Oral Absorption
- No Heat Applied to Active Ingredients
- Sugar and Stevia Mask the Bitterness of Active Ingredients
- All Natural, Non-GMO Ingredients
- Available White & Private Label
- Custom Formulas Available
- Alternative Packaging Available for Custom Orders

Dissolve in mouth. Take up to 6 mints daily.

SUGGESTED USE

Talk to your doctor before use if you are pregnant, nursing, or have a medical condition and are taking any prescription medications. Store at room temperature, away from light. Keep out of reach of children. Do not use if seal is broken or missing.

Energy Formula Supplement Facts

<table>
<thead>
<tr>
<th>Supplement Facts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serving Size: 1 Mint (1 g), Servings per Container: 20, Amount per Serving (%DV*), Calories: 5, Total Carbohydrate: 1g (&lt;1%), Sugars: 1g, Caffeine: 10 mg (†), Full Spectrum Hemp Oil Extract: 10 mg (†).</td>
</tr>
<tr>
<td>Percent Daily Values are based on a 2,000 calorie diet. † Daily Value not established.</td>
</tr>
</tbody>
</table>

Relaxation Formula Supplement Facts

<table>
<thead>
<tr>
<th>Supplement Facts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serving Size: 1 Mint (1 g), Servings per Container: 20, Amount per Serving (%DV*), Calories: 5, Total Carbohydrate: 1g (&lt;1%), Sugars: 1g, GABA: 20 mg (†), Full Spectrum Hemp Oil Extract: 10 mg (†).</td>
</tr>
<tr>
<td>Percent Daily Values are based on a 2,000 calorie diet. † Daily Value not established.</td>
</tr>
</tbody>
</table>

OTHER INGREDIENTS:
CANE SUGAR, ERYTHRITOL, RICE SYRUP, GUM ARABIC, SPRULINA EXTRACT, TURMERIC AND TITANIUM DIOXIDE FOR COLOR, PEPPERMINT OIL, COCOA EXTRACT, CITRIC ACID, TAPIOCA DEXTRIN, CALCIUM PHOSPHATE, POTASSIUM CITRATE, ZEIN, CARANUBA WAX, STEVA LEAF EXTRACT.

DERIVED FROM REGISTERED INDUSTRIAL HEMP

DERIVED FROM REGISTERED INDUSTRIAL HEMP

GLOBAL CANNABINOIDS | 1701 CALIFORNIA ST, STE 1070, DENVER, CO 80202 | (719) 422-3421 | globalcannabinoids.io
CBD TOPICAL PATCHES
CBD TOPICAL PATCHES

Few things are easier to use than a Topical Patch. Simply place the patch on an area of skin that is free of hair, lotions, and creams. Press down gently and off you go! Using a CBD patch is as easy as putting on a Band-aid!

CBD patches are an excellent alternative to CBD pills, CBD powders, CBD oil tinctures, and other traditional methods of delivering CBD oil to the body. Some of the other benefits of CBD patches include the ease of use, long shelf life, time-release delivery, convenience, avoidance of the digestive tract, and avoidance of metabolism by the liver.

Our custom manufactured CBD patches are classified as a natural vitamin patch. Unlike a transdermal patch, no prescription is required for our topical CBD patch, and the ingredients are all-natural, and made using registered industrial hemp CBD. Every patch is free of artificial dyes, casein, corn, colors, dairy, egg, fillers, flavorings, gluten, GMO’s, latex, MSG, peanuts, preservatives, shellfish, soy, sugar, tree nuts, and they are GRAS certified.

- Avoidance of First-Pass Effect
- Simple and Convenient
- Long Duration of Action - 8 Hours
- Controlled, Constant Administration
- Targeted Delivery
- No Interference with Gastric and Intestinal Fluids
- Standard Full Spectrum 120 mg Per Patch
- Custom Strengths and Formulations Available
- Private Label & White Label Available

AVAILABLE WITH TRUE FULL SPECTRUM HEMP OIL DISTILLATE OR BROAD SPECTRUM ZERO THC HEMP OIL DISTILLATE

TRUE Full Spectrum Hemp Oil Distillate

Active Ingredients:
- Cannabidiol (CBD)
- Cannabinol (CBN)
- Cannabigerol (CBG)
- Cannabichromene (CBC)
- Cannabidiolic Acid (CBDA)
- Tetrahydrocannabinoil (d9 THC)
- Tetrahydrocannabinoic Acid (THCa)
- Naturally Present Terpenes

THC <0.3%

Broad Spectrum Zero THC Hemp Oil Distillate

Active Ingredients:
- Cannabidiol (CBD)
- Cannabinol (CBN)
- Cannabigerol (CBG)
- Cannabichromene (CBC)
- Cannabidiolic Acid (CBDA)
- Naturally Present Terpenes

THC 0%
CBD WATER & BEVERAGES
Our Crystalline CBD Water Soluble Liquid offers unlimited CBD-infused beverage product development opportunities. Crystalline CBD is colorless, flavorless and provides true solubility. Since the cannabinoid particles are a miniscule ~25 nanometers in diameter, they pass through soft tissue or mucosal membranes, becoming immediately bioavailable. No other process for solubilizing cannabinoids produces bioavailability to this extent.

Crystalline CBD will self-homogenize in liquids without separation, similar to how simple syrup mixes evenly and clearly into water. This ensures cannabinoids are evenly distributed throughout the product, making it ideal for third-party lab testing for potency and homogeneity variances in samples, especially since the cannabinoids don’t stick to packaging. Consumers can have peace of mind about getting a perfect, predictable and consistent dose every time.

- Fast Acting (8 minute average activation)
- Predictable Duration
- Crystal Clear and Flavorless
- CBD Potency up to 10mg/mL
- High Bioavailability
- Retail products can be labeled as ALL NATURAL

POSSIBLE CUSTOM PRODUCT DEVELOPMENT OPTIONS:
- CBD-Infused Bottled Water
- CBD-Infused Energy Drinks
- CBD-Infused Energy/Relaxation Shots
- CBD-Infused Soft Drinks
- CBD-Infused Beers
- CBD-Infused Supplement Drinks
- CBD-Infused Kombucha
CBD SKIN & PERSONAL CARE PRODUCTS
CBD SKIN & PERSONAL CARE PRODUCTS

Finding a reliable and trustworthy skin care manufacturer for your hemp CBD products can be difficult. Many manufacturers of CBD products lack the technical expertise to properly formulate safe and effective skin care products. Our team has over 25 years of experience in the Hemp, CBD, and Skin Care industries.

Let our expert team of skin care formulators provide your company or brand with the finest skin care products infused with the highest grade organic hemp-derived phytocannabinoid-rich hemp oil extracts available. Our partner skin care manufacturers are the largest producers of CBD finished products in the world.

STANDARD CBD SKIN CARE PRODUCTS:
- 100 mg SPF 15 Lotion
- 100 mg SPF 30 Lotion
- 250 mg Sun Recovery Gel
- 250 mg All Purpose Body Balm
- 400 mg Body Lotion
- 500 mg Nighttime Nourishment Face Mask
- 500 mg Repairing Face Mask
- 500 mg Body Salve Regular
- 1000 mg Body Salve Max

CUSTOM PRODUCT DEVELOPMENT POSSIBILITIES:
- CBD Face Masks
- CBD Face Cleansers
- CBD Anti-Aging Creams
- CBD Anti-Aging Lotions
- CBD Lip Balms
- CBD Pain Salves
- CBD Moisturizers
- CBD SPF 15 and 30 Sunblock
- CBD Skin Cream
- CBD Facial Serums
- CBD Hand & Body Lotions
- CBD Foot & Leg Lotions
- CBD Shower Gels
- CBD Body Butter
- CBD Firming Gels
- CBD Diaper Rash Cream
HIGH CBD HEMP CIGARETTES
HIGH CBD HEMP CIGARETTES

Our organic hemp is naturally rich in phytocannabinoids, and very high in cannabidiol (CBD). The unique strain is grown exclusively on organic registered industrial hemp farms. Each flowering female bud is hand trimmed and dried in natural sunlight. Our registered industrial hemp contains absolutely no pesticides or heavy metals and is grown in full organic compliance.

The hemp cigarettes are rolled on a top of the line machine and is identical to a normal cigarette such as a Marlboro or Camel. Inside each tightly rolled cigarette is the highest quality phytocannabinoid rich hemp containing a full spectrum of cannabinoids such as CBD, CBG, CBN, CBC, and terpenes. Slow burning and fast acting is how we would characterize the experience.

Organic hemp CBD cigarettes are available in bulk and wholesale and can also be private label manufactured. We can print your brand or logo on each cigarette and box them however you like. Contact us today to learn more about the best hemp CBD cigarettes available in the world.

- Derived from Organically Cultivated Industrial Hemp
- All Natural, Non-GMO
- Bulk Packed White Label or Private Label Finished Product Available
- Contains 4 g of natural CBD hemp
- THC content less than 1%
- CBD content greater than 20%
CBD ANIMAL HEALTH & WELLNESS

OUR PRODUCTS | PRIVATE / WHITE LABEL FINISHED PRODUCTS
Global Cannabinoids offers a complete line of phytocannabinoid-rich Animal Health and Wellness products. You want your pet to maintain his health and vitality for as long as possible. Although you can’t stop time, there are ways to help him keep his vigor for longer.

Our formulators will work with you to develop a perfect formula for your custom CBD Pet Health line. Choose from our Broad Spectrum Zero THC Hemp Oil Distillate with 0% THC or our 99%+ Pure CBD isolate or one of our water soluble ingredients. We have the right raw materials for any phytocannabinoid-rich Animal Health supplement or nutrition product you can imagine.

Stock formulas available for White Label or Private Label customers.

CUSTOM PRODUCT DEVELOPMENT POSSIBILITIES:

- CBD Oil Drops for Dogs & Cats
- CBD Hemp Pellets for Horses
- CBD Treats for Dogs and Cats
- CBD Topical Ointments for All Animals
FREQUENTLY ASKED QUESTIONS

Do you ship to all 50 states?
Yes we do.

Do you ship internationally?
Yes we do. All overseas customers must use a customs broker. We highly recommend insurance. Once your order is shipped, we cannot be responsible for lost or confiscated shipments.

What is the legal limit of THC?
The legal limit according to the 2014 US Farm Bill is 0.3% Delta 9 THC. We do not ship any products with ANY amount of THC above 0.3%.

What does zero THC mean?
Zero means no detectable levels of THC in laboratory analysis.

What does it mean when my CBD oil crystallizes?
CBD oil will crystallize at potencies above 60%. This is completely natural and can be easily converted back to an oil by applying heat at 75 degrees over a period of time.

Why do you separate the terpenes completely from your distillate?
We have developed a proprietary extraction technique that can preserve a huge amount of the terpenes in their most natural state. This can only be accomplished by separating them completely from the cannabinoids.

All cannabis plants produce varying amounts of terpenes which produce different effects. By separating the terpenes from the cannabinoids, we can offer customers the opportunity to completely customize their oil based on a preferred strain and its effects.

What is “Full Spectrum”?
This refers to the full plant extract that contains all of the major cannabinoids and terpenes naturally present. All full spectrum phytocannabinoid-rich (PCR) hemp oil must have at least trace amounts of THC to be considered full spectrum since the plant naturally produces THC. In other words: there truly is no such thing as “Zero THC Full Spectrum” hemp oil.

What is “Broad Spectrum”?
Broad Spectrum is a hemp oil distillate that features numerous phytocannabinoids and has zero percent THC. By breaking down the cannabinoids and terpenes into their individual compound solutions, they can then be recombined into various formulas with complete control and precision, allowing our company to individualize a particular hemp oil distillate blend.

What are your minimum order quantities?
Our customers may purchase sample packages of products on a limited basis before a full order is required. The three types of sample packages are: 1) Finished Products, 2) Raw Materials (for manufacturers) and 3) Skin Care.

“Launch-Your-Own-Brand” Starter Packs of standard size, potency and flavor products will be available in three standard order amounts: $2,500, $5,000 and $10,000. Quantities are not limited, however product amounts will depend upon the product mix selected.

Our MOQ for our standard, ready-to-ship in-house brands plus unlabeled (White Label) products is 100 units.

Our MOQ for custom label (Private Label) standard formula finished products is 500 units.

Our MOQ for fully customized products with custom formulations and packaging is 2,500 units.

Do you provide Certificates of Analysis for your products?
Yes. All of our raw materials and finished products are analyzed by independent third party laboratories, as well as our in-house quality assurance staff. We do maintain extensive COA report records and include COAs with every order. (These are typically delivered via e-mail by your sales rep when your order ships).

Are your products cGMP certified?
Yes. All of our finished products are manufactured in a cGMP and ISO certified facility that is registered with the FDA and routinely inspected and audited by the respective certification organizations.

Do you offer product liability insurance on your finished products?
Yes. All of our finished products are backed by ample product liability insurance coverage, and we are able to furnish Certificates of Insurance that list our customer as “Also Insured” upon request.

The answers to more Frequently Asked Questions can be found online at:
globalcannabinoids.io/FAQ