

# HEMP ON DEMAND™

High Absorption CBD

With proprietary nanotech delivery system



# HEMP & YOUR HEALTH

## Phytocannabinoids

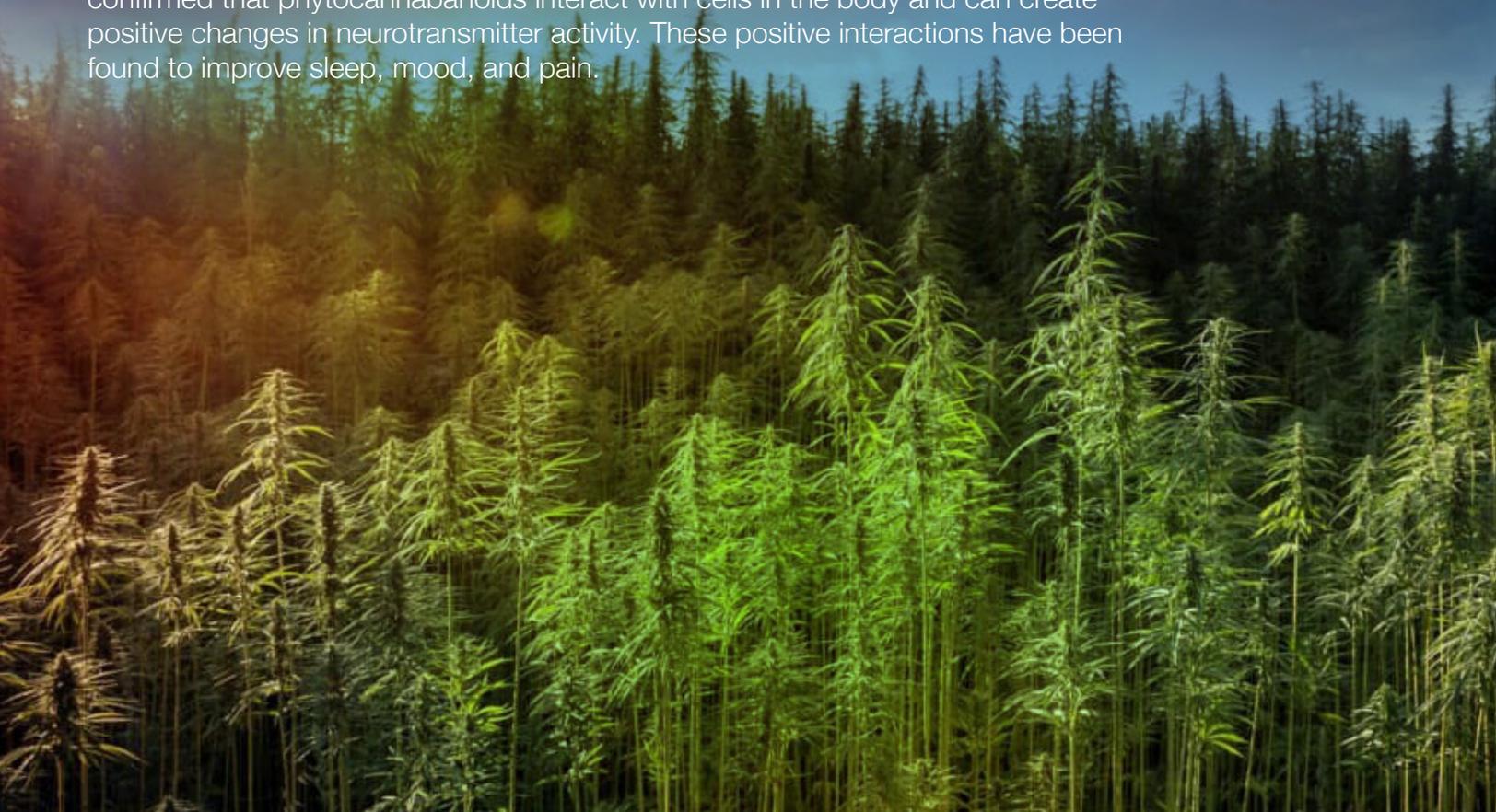
Hemp contains “phytocannabinoids,” which are plant-derived molecules that are capable of interacting with receptors in our body’s “endocannabinoid system.” Cannabinoids are the main active compound in hemp and, through the endocannabinoid system, creates a variety of physiological health effects. As such, our phytocannabinoid rich hemp oil products support a variety of health concerns.

## How it Helps

Cannabinoid receptors are found throughout the body in the endocannabinoid system. These receptors help to maintain a sense of homeostasis in the body. Cannabinoids interact with these receptors located in the brain, spinal cord, nervous system and immune system of mammals. These positive interactions help to support the natural pathways of the body needed for optimal health.

## How it Works

In order for the body to perform efficiently, it needs biological balance. Research has confirmed that phytocannabinoids interact with cells in the body and can create positive changes in neurotransmitter activity. These positive interactions have been found to improve sleep, mood, and pain.



# HIGH ABSORPTION CBD

## With Proprietary Nanotech Delivery System

Our nanoemulsified high absorption hemp extract delivers pure CBD to your bloodstream at 1/3 the cost per mg absorbed compared to other CBD products.

Organically farmed, Colorado grown, non-GMO, non-psychoactive, and rich in phytocannabinoids and terpenes for enhanced effect.

Try our **Full Spectrum Hemp Extract** for maximum entourage effect, or go THC-free with our **Broad Spectrum Hemp Extract**.

## Tap into the Endocannabinoid System

Phytocannabinoids and terpenes synergistically modulate the endocannabinoid system, a complex network of signaling molecules and receptors involved in brain function, gut health, immunity, and a healthy inflammatory response.<sup>1</sup>

## Fall Asleep Easier

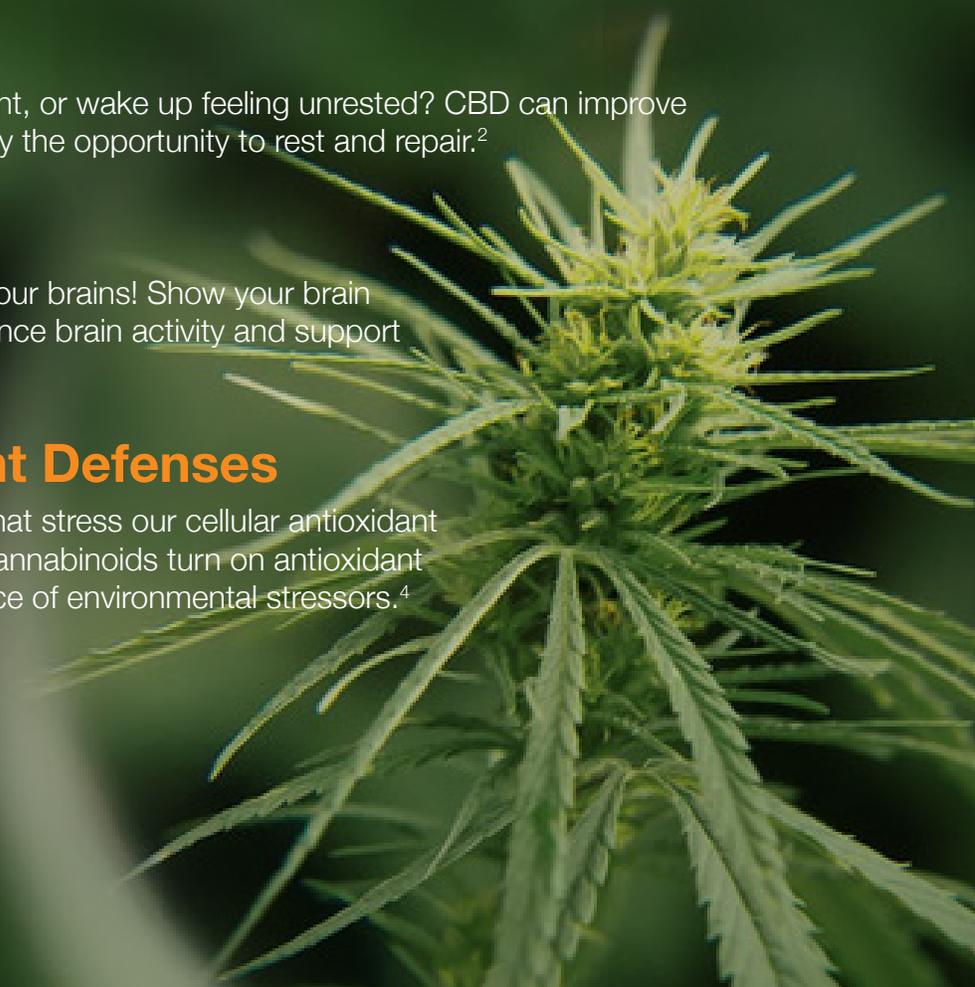
Do you struggle with falling asleep at night, or wake up feeling unrested? CBD can improve the quality of your sleep, giving your body the opportunity to rest and repair.<sup>2</sup>

## TLC for Your Brain

Day in and day out, we demand a lot of our brains! Show your brain some love! Phytocannabinoids may balance brain activity and support mood, memory, and ease tension.<sup>3</sup>

## Boost Your Antioxidant Defenses

Our modern-day world is full of factors that stress our cellular antioxidant defenses. CBD, along with other phytocannabinoids turn on antioxidant genes, increasing our resilience in the face of environmental stressors.<sup>4</sup>



# ABSORB FASTER, SPEND LESS

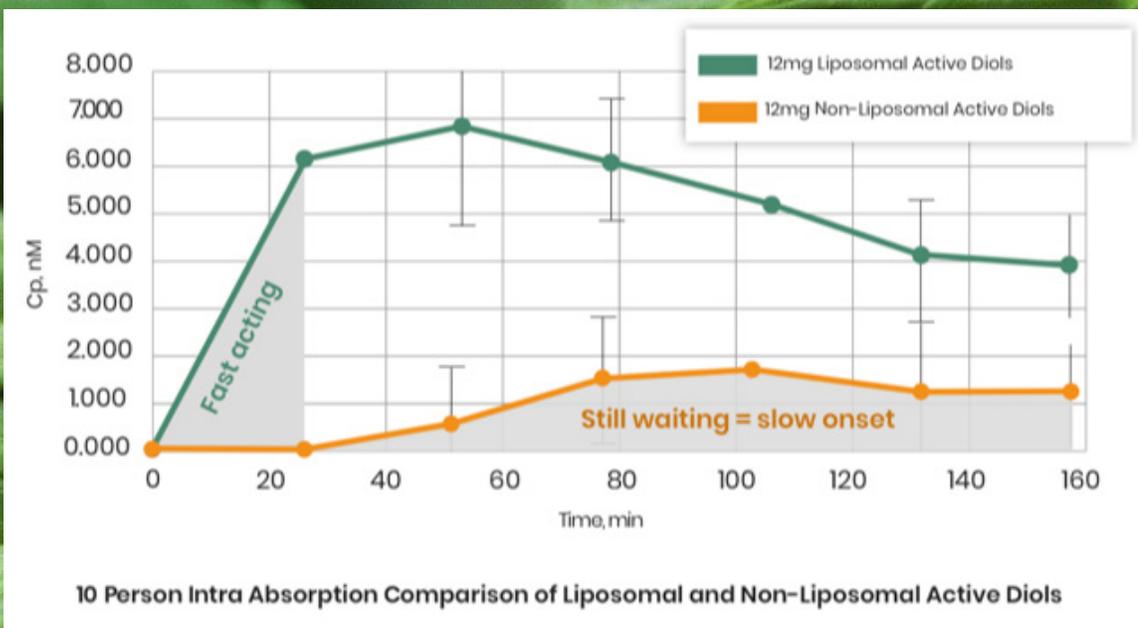
**There's a huge problem with most CBD products: Much of what you take isn't absorbed.**

**You end up flushing CBD down the toilet. LITERALLY.**

## Proprietary Nanotechnology

*Nanoemulsion technology boosts hemp absorption*

**Nanoemulsion** means lipid nanoparticles rapidly deliver hemp through the mouth, bypassing slower digestion in the gut.<sup>5</sup> Raises serum hemp levels 5x higher at 1/3 the cost of the competition per mg absorbed.<sup>6</sup>



### What is nanoemulsion?

Nanoemulsions are microscopic single to multi-layer spheres made of phospholipids — for rapid and sustained Hemp absorption.

# A NEW BREED OF CBD

## Laboratory Proven for Higher Bioavailability

Our proprietary formula skips digestion to get more active diols into your bloodstream faster.

### Our CBD is proven by lab results:<sup>6</sup>

- Fast acting: Effects in as little as 5 minutes
- 5X better absorption: Than other oral CBD products, measured by serum active diol levels
- 3X better value: More value, milligram for milligram absorbed, than the competition



#### As Little As 5 Minutes

To Feel The Effects.



#### Up To 5X

Better Absorption.



#### 1/3 Of The Cost

Per Dose Vs. The Competition.



# HEMP ON DEMAND™ FULL SPECTRUM

**A comprehensive, full spectrum hemp oil extract, featuring the sought after cannabidiol (CBD) as well as the suite of phytocannabinoids and terpenes naturally present in hemp.**

We've retained the Farm Bill compliant level of THC (<0.3) to boost therapeutic benefits without the psychogenic effects.<sup>7</sup>

**Offers the full spectrum of natural hemp cannabinoids and terpenes for full-body health:**

- Farm Bill Compliant – contains a small amount of THC (<.3%)
- Supports a healthy gut and a balanced immune system
- Supports overall comfort levels
- Helps balance brain function and mood
- Plasma levels more than 5 times that of other oral CBD liquids we've tested
- Rapid Uptake allows you to feel the effect in as little as 5 minutes

## FULL SPECTRUM

**16 mg CBD**



# HEMP ON DEMAND™ BROAD SPECTRUM

**A THC-free, broad spectrum hemp oil extract consisting of the suite of phytocannabinoids and terpenes naturally present in hemp.**

We included additional beta-caryophyllene, the most common terpenoid found in Cannabis to extend the potency and action of the extract without the need for THC.<sup>8</sup>

**THC-free natural hemp cannabinoids and terpenes for full-body health:**

- Enhanced with the potent dietary cannabinoid, beta-carophyllene
- Supports a healthy gut and a balanced immune system
- Supports overall comfort levels
- Helps balance brain function and mood
- Plasma levels more than 5 times that of other oral CBD liquids we've tested
- Rapid Uptake allows you to feel the effect in as little as 5 minutes
- Tests clean

## BROAD SPECTRUM

**16 mg CBD**



## Scientific Citations

1. Pertwee RG. Cannabinoid pharmacology: the first 66 years. *Br J Pharmacol.* 2006;147 Suppl 1(Suppl 1): S163–S171.
2. Babson KA, Sottile J et al. Cannabis, Cannabinoids, and Sleep: a Review of the Literature *Curr Psychiatry Rep.* 2017 Apr;19(4): pp. 23
3. Korem N, Zer-Aviv TM et al. Targeting the endocannabinoid system to treat anxiety-related disorders. *J Basic Clin Physiol Pharmacol.* 2016 May 1;27(3): pp. 193-202.
4. Juknat A, Pietr M, Kozela E. et al. Differential transcriptional profiles mediated by exposure to the cannabinoids cannabidiol and  $\Delta$ 9-tetrahydrocannabinol in BV-2 microglial cells. *Br J Pharmacol.* 2012 Apr;165(8): pp. 2512-28.
5. Russo EB. Taming THC: potential cannabis synergy and phytocannabinoid-terpenoid entourage effects. *Br J Pharmacol.* 2011;163(7): pp. 1344–1364
6. A pilot 10 Person Study of intra-absorption bioavailability from blood plasma of liposomal and non-liposomal cannabidiol as measured by time and blood plasma levels.
7. Farm Bill compliant level of THC: <https://www.pewtrusts.org/en/research-and-analysis/blogs/state-line/2019/10/30/usda-hemp-rules-give-growers-leeway-on-thc-levels>
8. Sharma, C et al, Polypharmacological Properties and Therapeutic Potential of  $\beta$ -Caryophyllene: A Dietary Phytocannabinoid of Pharmaceutical Promise. *Current Pharm Des.* 2016;22(21):3237-64.

