

## 1. What is Hemp?

Hemp is the non-psychoactive plant grown for industrial and farming uses. It has been cultivated for thousands of years. It is a very versatile plant and has been historically used for rope, paper, medicine and many other purposes. The first American flag was made of hemp. It was a major crop for George Washington and Thomas Jefferson. The Declaration of Independence and the Gutenberg Bible were printed on hemp paper.

Hemp is used in farming to clean soil and water which aids in regenerative agriculture. After the 1930s, taxes made it too expensive for farmers to grow hemp and thus they turned away from harvesting the crop. As hemp became more difficult to find, cannabinoids disappeared from the food chain and Americans became deficient in cannabinoids.

Most experts agree that the reason why cannabinoids may have a positive effect on human health and wellness because they were once a regular part of our food chain. Dairy cows ate feral hemp, which was rich in cannabinoids (CBD), and passed the CBD to humans through their milk. Pigs, chickens and other livestock were also fed hemp and the CBDs were in their meat and eggs. Beginning in 1937, the government eradicated all forms of feral and cultivated hemp, thus eliminating CBD from the human diet.

For decades, confusion over the species of plant led federal law to not differentiate hemp from marijuana, all of which were effectively made illegal in 1937 under the Marijuana Tax Act and formally made illegal in 1970 under the Controlled Substances Act (CSA) — the latter banned cannabis of any kind. Presently, the era of hemp prohibition is over. As a result of the 2018 Farm Bill, hemp was removed from the CSA and is no longer deemed a controlled substance by the Federal Government. Most states have classified hemp as an agricultural commodity, legal for sale, and forever separate and distinct from marijuana.

## 2. How is hemp different from marijuana?

Both hemp and marijuana come from the cannabis plant but they are vastly different. They may appear similar but marijuana features broad leaves, dense buds and has a short appearance. Hemp features skinny leaves that are concentrated towards the top of the plant and grows taller and skinnier than marijuana. Hemp contains little to no THC concentration (0.3% or less); marijuana is rich in THC with concentrations between 15% to 40%. Hemp is grown for its industrial uses and general health benefits, while marijuana is grown for recreational and medicinal purposes.

## 3. Does Z-Blends Hemp contain any THC?

NO. Z-Blends Hemp contains ZERO THC. The small amount of THC that is present in the oil extracted from the hemp plant is removed. The refinement process removes any traces of THC and leaves behind the beneficial cannabinoids.

## 4. Will I get high?

NO. Hemp is a plant grown to contain 0.3% or less THC. Cannabis plants with more than 0.3% THC are not HEMP plants and are not used to create Zurvita's CBD products.

## 5. Will I fail a drug test?

If you are subject to any drug testing or screening, consult your employer or drug screening company before use as studies have shown that some hemp products may cause positive results. Most workplace drug screens target THC and do not detect the presence of CBD or other legal natural hemp-based products. Z-Blends' hemp contains no THC.

## 6. What is Hemp, CBD and THC?

The cannabis plant family can be either the marijuana species where it contains high levels of THC or the hemp species with high levels of CBD and less than .3% THC. Cannabis plants contain over 100 different cannabinoids. The two most famous cannabinoids are THC and CBD. THC is the part of the plant that

has the psychoactive effect. CBD does NOT have the psychoactive effects but does have many health benefits.

Traditional fiber hemp contains approximately 2-3% CBD. Industrial hemp contains 10-24% CBD. Z-Blends is formulated with only industrial hemp (which by law cannot contain more than 0.3% THC by dry weight). The minute amount of THC in industrial hemp is removed in the refinement process.

## 7. What is pure CBD Isolate?

Z-Blends Daily and Sleep are made with pure CBD isolate which only contains CBD and does not contain any trace of THC or any other cannabinoid. Isolate refers to the extraction method. In this method, CBD is "isolated" from unwanted compounds in the hemp plant and the result is pure CBD.

## 8. What is the difference in cannabinoids and cannabidiol?

Cannabidiol (CBD) is one of many different cannabinoids that occur naturally in the hemp plant. While different cannabinoids also interact with receptors in your body and do not have psychoactive effects like THC, cannabidiol is the most carefully-studied and has been associated with a variety of positive benefits. Different cannabinoids are produced within the cannabis plant. CBD has demonstrated a variety of beneficial health effects and may be used as part of your daily health and wellness plan.



## 9. What is broad spectrum hemp extract (whole plant)?

Broad spectrum hemp extract, found in Z-Blends Calm, is the use of the entire range of cannabinoids found in the whole hemp plant. The combination of these multiple cannabinoids may provide a range of benefits including more effectiveness described as the “entourage effect.” The “entourage effect” is defined as the cannabinoids working together to ensure that you get the widest range of health benefits possible from the combined actions of CBD and these other cannabinoids. Broad spectrum hemp contains CBD as well as other cannabinoids, terpenes and flavonoids. Most broad spectrum CBD products do not contain THC. However, on occasion, products may have trace amounts. In our process, any trace of THC is completely removed from the hemp after the initial extraction takes place ensuring that there is 0% THC left.

## 10. What is a phytocannabinoid?

A phytocannabinoid is a cannabinoid derived from hemp or any of a wide number of plants.

## 11. What is an endocannabinoid?

Endocannabinoids are cannabinoids produced by the human body.

## 12. What is the Endocannabinoid System?

Our Endocannabinoid System (ECS) is the main control system for the entire human body. It controls all of the other systems in the body. Its main job is to maintain homeostasis in the body. A deficiency in cannabinoids makes it difficult for the ECS to maintain homeostasis and as a result many bodily functions can get out of balance and create health challenges.

## 13. What is Z-Blends Hemp?

Z-Blends Hemp is a plant-based solution to some of the most common stressors for busy, modern lives. It contains pure CBD Isolate in Daily and Sleep, and utilizes broad spectrum hemp extract for Calm. All three feature the latest nanoemulsion technology to reduce the size of the CBD particles for better and faster cell absorption.

## 14. Where does Z-Blends Hemp come from?

Z-Blends sources industrial hemp used in its CBD products from farms in Colorado and Oklahoma.

## 15. How is the hemp grown?

The farms growing industrial hemp for Z Blends products do not use pesticides, synthetic fertilizers, radiation or sewage sludge.

## 16. Is the hemp genetically modified?

No. Industrial hemp sourced for Z-Blends contains no genetically modified organisms.

## 17. Is Z-Blends Hemp made in the USA?

Yes. Z-Blends Hemp comes from plants grown in Colorado and Oklahoma in the United States.

## 18. Is Z-Blends Hemp manufactured in a cGMP (Current Good Manufacturing Practice) compliant facility?

Yes.

## 19. Is Z-Blends Hemp produced in a FDA Registered facility?

Yes.

## 20. Is Z-Blends Hemp manufactured in an NSF (National Sanitation Foundation) Certified facility?

Yes.

## 21. How is Z-Blends Hemp made?

Z-Blends Hemp is derived from industrial hemp grown in the United States. It is extracted from the hemp plant using a CO2 extraction method (the cleanest way to extract – many other processes use dangerous and toxic chemicals). This produces the oil. Next, for Z-Blends Daily and Sleep, all unwanted compounds like the trace amounts of THC are removed in the isolate process. Then the refinement process continues until all that remains is pure CBD. As this cools, it produces crystals, which are then pulverized to a powdered form. This is pure CBD Isolate. For Z-Blends Calm, the same process

is applied but during the refinement process, other beneficial compounds of CBD such as cannabinoids, terpenes and flavonoids remains. All formulas are then repeatedly sonicated (an ultrasonic process that breaks the particle size down very small so it can be absorbed directly into the blood stream and directly into the cells.) Then, Z-Blends Hemp is “stabilized” to make sure the nanosized particles stay that way.

## 22. Why is Z-Blends Hemp different from other similar products?

Z-Blends Hemp uses a proprietary ultrasonic process to break down the particle size of the hemp oil to a size small enough to penetrate directly into the blood stream and deliver its benefits directly to the cell. This sonication process is called nanoemulsion technology.

Z-Blends Hemp also uses a patented stabilization process to make sure the particle size remains in the 15-25 nM size to retain its effectiveness indefinitely. Other products that claim to be “nanofied” usually conjugate (go back to the larger size particles), reducing their bioavailability after 30-45 days.

## 23. What is nanoemulsion technology?

Nano technology breaks particle size down to a microscopic level so that the particle can be absorbed directly, quickly and easily into the cell.

## 24. What is N.E.A.T.?

N.E.A.T. is an acronym that stands for Nano Emulsion Advanced Technology. Z-Blends uses this advanced technology to reduce Z-Blends Hemp down to the molecular level to massively increase bioavailability.

## 25. How stable is the nanofication?

Z-Blends uses a patented ingredient to stabilize the nanofication of Z-Blends Hemp. Without this patented stabilization, the product would “reconjugate” and go back to its original, larger size and will significantly reduce its bioavailability and effectiveness.

## 26. What is bioavailability?

Bioavailability is the degree and rate at which an administered substance is absorbed by the body's circulatory system.

## 27. How bioavailable is Z-Blends Hemp?

Typical bioavailability of most foods we eat will be in the 6% - 20% range. Sublingual (under the tongue) applications can increase bioavailability to 40%. Utilizing N.E.A.T., Z-Blends Hemp can achieve bioavailability of up to 85% or more.

## 28. Where can I go to find out more about CBD?

CBD has been all over the news for the past few years. Scientific research now shows the many health benefits of CBD. The results are real and CBD produces beneficial therapeutic effects for even the most common conditions. If you are interested in learning more, research "Endocannabinoid System Studies."

## 29. Is Z-Blends Hemp safe?

Regarding CBD, in 2017 the World Health Organization (WHO) issued a report stating that the use of CBD is safe and poses no health risks. They went on to say that it is not addictive and is safe to take (unless it interacts with your medicine) and it does not induce intoxication.

A review of the scientific literature by Bergamaschi (2011) published in "Current Drug Safety" showed that CBD is safe and non-toxic, does not affect physiological parameters (heart rate, blood pressure and body temperature), does not affect gastrointestinal transit and does not alter psychomotor or psychological functions. As with any dietary supplement, consult your physician prior to starting any new health and wellness regime.

## 30. Does CBD cure anything?

While CBD benefits the body, it is not a cure for any diseases or sickness. As we age, the receptors in our endocannabinoid system deteriorates.

If the body suffers from cannabinoid deficiency, CBD can help restore homeostasis, or help maintain balance within the body.

## 31. Why does Z-Blends contain MCT?

MCT is used as fuel for your brain with many studies backing its health benefits including mood and clarity. It is organic coconut derived and is also utilized for quicker and more efficient bioavailability absorption to the body. This in combination with our proprietary ultrasonic process that produces this product has the MCT oil under 20 nm allowing it to be rapidly absorbed by the body and not needing your body to release emulsifying bile moving the onset of effects from hours to minutes.

## 32. What is Z-Blends Daily?

Z-Blends Daily is a formulation of CBD created for daily use. Z-Blends Daily contains 750mg (25mg per serving) of isolated cannabinoids with 0% THC.

Take it daily to help combat stress, support optimal immune function, evoke a sense of calmness, and support in focus and attention span. It can also help maintain bone health, reduce occasional head and neck tension and improve absentmindedness. Z-Blends Daily is beneficial in stabilizing mood changes, reducing monthly menstrual cramps and improving brain wellness as we age.

## 33. What is Z-Blends Calm?

Z-Blends Calm is a formulation of CBD created to aid in relaxation and to help decrease anxiety. It contains 500mg (33mg per serving) of broad spectrum hemp extract with 0% THC combined with CBG and GABA.

## 34. What is CBG?

CBG (also known as cannabigerol) is a recently discovered minor-cannabinoid, which is a powerful compound that also contains 0% THC and zero psychoactive effects. It can be found in very low concentrations in mature cannabis flowers.

Think of CBG as the "parent" cannabinoid, meaning that every other

cannabinoid starts out as CBG and then eventually transforms into other cannabinoids such as CBD or THC. CBG has many health benefits when it comes anti-inflammatory properties and relaxation.

Furthermore, the combination of both CBD and CBG is shown to have a greater positive impact on neuronal swelling than either of the cannabinoids alone.

## 35. What is GABA?

GABA (also known as Gamma Aminobutyric Acid) is a naturally occurring amino acid and neurotransmitter that provides a natural calming and centered effect on the brain.

## 36. What is Z-Blends Sleep?

Z-Blends Sleep is a formulation of CBD created to aid in peacefully falling asleep. Z-Blends Sleep contains 500mg (16mg per serving) of isolated cannabinoids with 0% THC. Take it when needed with your Z-Blends Daily to help aid in sleep by calming the body and combat stress and frustration.

## 37. Why does Z-Blends Sleep contain melatonin?

Melatonin is a very important hormone that is secreted naturally by the human body. Its primary function is helping to keep our circadian rhythms – or body clocks – in check. There are no major side effects that have been proven to be caused by taking melatonin; most people barely notice its effects, except when it's time to sleep and drifting off is much easier to do. Additionally, sleep is much more rejuvenating when taking melatonin and people frequently remark on how refreshed they feel upon waking.

## 38. Why does Z-Blends Sleep contain L-Tryptophan?

L-Tryptophan is an essential amino acid that your body converts into serotonin. Serotonin helps control your mood and sleep. Because of the increase of serotonin, it may help improve symptoms associated with premenstrual syndrome (PMS) and other mood-related concerns.

## **39. How much Z-Blends Hemp Oil should I take?**

One dropper or snap full for Daily and Sleep, while you can take three droppers full for Calm each day. Everyone's body is different, and you will need to determine what works best for you. If you do not notice the desired results, you may want to slowly increase it until you achieve the level of results desired. For maximum bioavailability, place the drops under your tongue for 60 seconds, then swallow.

## **40. It is safe to take all Z-Blends products together?**

Yes. You can use all three (Daily, Sleep and Calm) products together. Using Daily with Calm will actually enhance the calming effects that the product produces. For Sleep, we recommend cycling on and off due to the melatonin in it. Our suggestion would be to use for three weeks and discontinue for one week, then repeat. However, you may use Calm in place of Sleep during this cycle.

## **41. Is there an expiration date?**

Z-Blends has an estimated shelf life of one year and has gone through a rigorous manufacturing process to ensure its quality. It has been climate tested and nanoemulsified to reduce any possibilities of separation for up to 365 days.

## **42. How long does it take to work?**

Each Z-Blends Hemp product will work differently depending on the individual. Many people may feel results within the first 10 minutes. Some may not feel the results as quickly, but will notice results over time through regular use. Give your body time to respond.

## **43. Is there a money back guarantee?**

YES. There is a 30-day money back guarantee. Please see the Refund Policy for instructions on how to return your product.

## **44. What states/counties allow the sale of CBD?**

State and Local laws and ordinances vary. Zurvita does not provide legal advice. Please consult your local laws for guidance regarding whether Zurvita's CBD products are prohibited in your area.

## **45. What shipping options do I have?**

We currently offer the following carrier options:

- USPS Priority Mail – delivery in 5–7 business days.

\*Please allow 24-48 hours to process your order before calculating your delivery time. Transit times do not include holidays and weekends.

Please note: We do not ship to P.O. Boxes.

## **46. What is the cost difference between the different shipping options I can choose from?**

USPS Parcel is the least expensive choice but it will take the longest amount of time for your order to arrive. UPS has faster delivery times but is more expensive.

## **47. How is my shipping and handling cost calculated?**

Depending on the size of your order, shipping costs are calculated using several factors including the box dimension size, weight of your order, and the destination zone your order is being shipped to. In addition to the shipping charge, every order includes a handling charge in order to process your order at our warehouses.

## **48. Where can I ship my order?**

You can ship your order in any county in the United States where hemp oil is legally operating except P.O Boxes.