



CBD
American Shaman™

CBGO

WATER SOLUBLE

What is CBG?

CBG, or cannabigerol, is a non-intoxicating cannabinoid found in cannabis plants, including the hemp plants used to produce hemp oil. All strains of hemp produce the precursor of CBG, called CBGA (or cannabigerolic acid) early in their lifecycle. Over time, this acid transforms into cannabinoids, including CBD, CBC, THC, a small amount of CBG, and many more, leaving behind only trace amounts of CBGA. Because of the low levels of CBG found in most strains, CBG is considered a minor cannabinoid. Some strains of hemp have been bred to produce high levels of CBG from the CBGA produced early in the plant's lifecycle, forgoing the production of the other cannabinoids. As with CBD and THC, CBG interacts with the CB1 and CB2 cannabinoid receptors found throughout the body

What is CBG Oil?

In its natural form, CBG is bound up in the hemp plant. While there are ways to use the CBG found in the plant, such as smoking or cooking with the material, those aren't attractive options to many people. In its pure, isolated form, CBG is a powdery substance. However, CBG isolate powder lacks other health-supporting cannabinoids and terpenes, and most especially loses out on the "entourage effect." One way to produce CBG Oil is to reconstitute the oil from CBG isolate and a carrier oil, with the option to add in other cannabinoids and terpenes to recreate the entourage effect. CBG Oil can also be produced from the aerial parts of CBG-dominant hemp strains, which naturally contain other cannabinoids (such as CBD) and terpenes found in the plant. Our CBG Oil is enhanced with our proprietary nanotechnology process, which shatters microscopic particles in the hemp oil apart and increases the purity and potency of the CBG locked up inside.

What Are the Benefits of CBG?

CBG has more benefits than we can list here, so we definitely recommend Googling for the most up-to-date research. The CBG cannabinoid is known particularly for its support of the digestive system and for the almost coffee-like energy and focus it gives. It's also known for supporting healthy skin, and like CBD, CBG's

effects may also help manage everyday stress and maintain a positive mood.

How Does CBG Make You Feel?

While CBG is not a stimulant, it does give a feeling of energy and focus that is similar to the effects of coffee. Users report being able to focus on one task for longer periods of time, with increased levels of productivity. A common use of CBG is as a pick-me-up which has a much more controllable serving size than coffee thanks to the use of a precise dropper. Overall, CBG effects on the perceptual level are more of an "upper" than a "downer." CBG can also help your digestive system continue to feel like it's functioning properly, as many of the cannabinoid receptors CBG interacts with are located in the digestive system. In addition, many users report mood support from consistent CBG usage.

What is the Difference Between CBD and CBG?

Cannabidiol (CBD) and Cannabigerol (CBG) are both cannabinoids found naturally in the hemp plant. They are produced at different stages of the plant's life. As the young hemp plant grows, it begins by producing CBGA, or cannabigerolic acid, which is the precursor to all cannabinoids in the hemp plant. The process continues as CBGA is then converted via enzymes, heat, and UV light into THCA, CBDA and CBCA. Each of these precursors undergoes chemical changes to become (respectively) THC, CBD, and CBC. From the CBGA that is left over after this process, a small amount becomes CBG. So while both CBD and CBG start out as CBGA, each cannabinoid is formed at a different stage of the hemp plant's lifecycle.

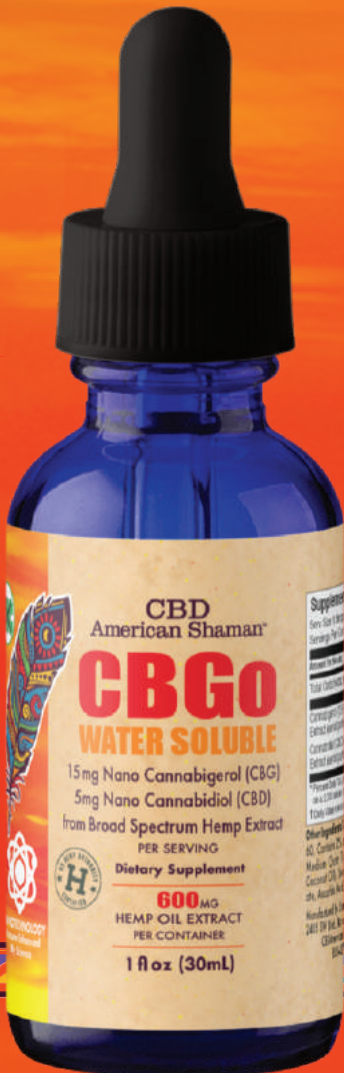
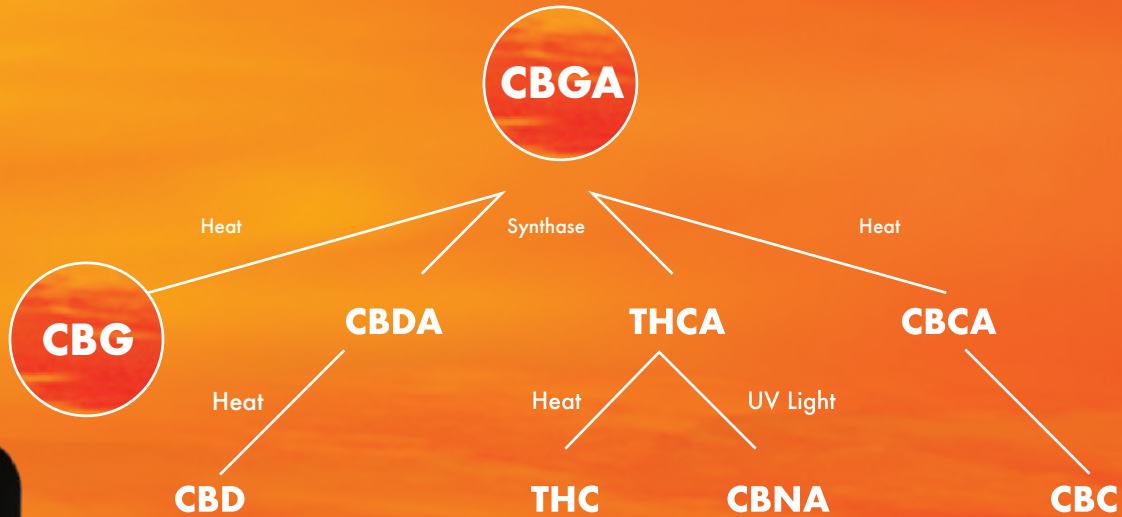
How Do You Pronounce Cannabigerol?

This cannabinoid is actually pretty easy to pronounce once you break it down. Canna-Bi-Gerol, or C-B-G. "Canna" is pronounced a bit like a slurred "can of," as in "a canna beans." "Bi" is pronounced with a short "i" sound, like if you dropped the "g" off the word "big." And "gerol" is pronounced like "Gerald" minus the "d." Put it all together, and now you can say "Canna-bi-gerol!"



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How is CBG Made?

Cannabis plants, including the hemp plants used to produce hemp oil, produce CBGA (cannabigerolic acid), the forerunner to the three major cannabinoid precursors: THCA (tetrahydrocannabinolic acid), CBDA (cannabidiolic acid), and CBCA (cannabichromenic acid). CBGA is broken down by enzymes in the cannabis plant and by heat and UV light to “funnel” the CBGA toward one of those three main lines. From the CBGA left over from this conversion process, a lower amount of CBG is formed via decarboxylation. Because the CBGA is transformed during these processes, very little is left behind. Some CBG strains of cannabis have been bred to produce large amounts of CBG from the cannabigerolic acid, which comes at the expense of lower levels of the other cannabinoids. Another method to preserve high CBG content in hemp oil is to perform extraction on the plants at about 6 weeks into an 8-week flowering cycle.