



# Energy Medicine Centers

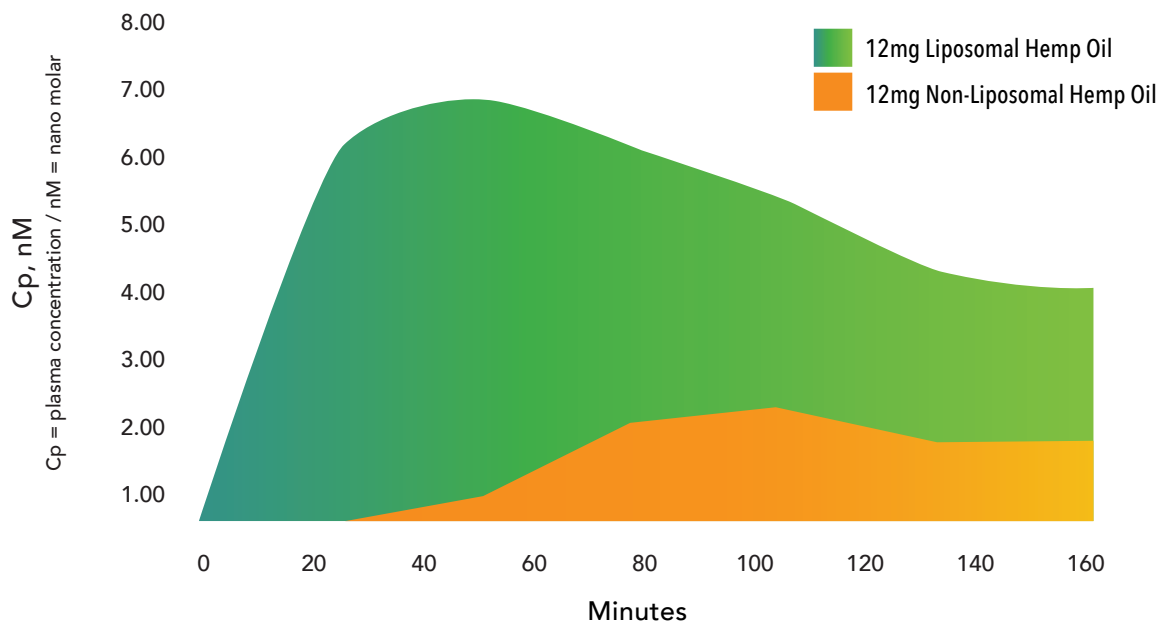




# THE BEST HEMP OIL IN THE WORLD!

Our Chemist combines Nano-Enhanced technology with a sustainable, naturally grown hemp oil, which has been used for a wide range of health & wellness benefits dating back more than 3,000 years! Our proprietary, Nano-Enhanced Hemp Oil absorbs into the body faster than any other hemp oil in the world.

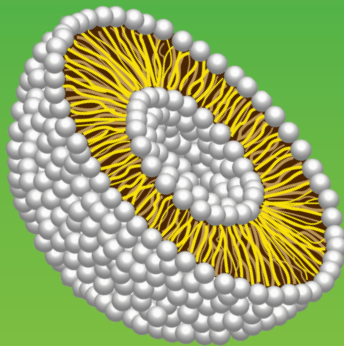
## COMPARISON OF OUR LIPOSOMAL & NON-LIPOSOMAL ACTIVE DIOLS



Relative bioavailability is determined by comparing the plasma concentration time-curves (usually as area under the curve) after administration of two different formulations of the same compound. The study revealed that our liposomal formulation absorbed into the blood 5 times greater, thus far-outperformed the non-liposomal formulation.

*Note: In this study, our Active Diols liposome formulation was tested against our Active Diols in sunflower seed oil as a carrier.\**

# THE MOST ADVANCED DELIVERY SYSTEM EVER



Our Chemist is a “delivery technology” leader in the Hemp Oil industry. We manufacture completely water dispersible cannabinoids for use in controlled-dosage liposomal formulations. Our micro-emulsification process increases serum uptake and makes exact dosing quick and easy.

We utilize a unique liposomal delivery system, which dramatically improves the bioavailability of the oil. Our product is a Dietary Supplement and contains industrial hemp extract derived from the stalks and stems of the plant, which delivers healthful benefits, without the psychoactive or “high” effect associated with this type of botanical.

Our Chemist's Micro-Encapsulation Delivery System brings the power of intravenous therapy into a convenient oral delivery. The delivery system improves upon liposomal technology with smaller, more stable, single-layer spheres made from the highest grade ingredients available.

## WHAT MAKES A GOOD LIPOSOME?

**Particle Size:** Most nutraceutical manufacturers typically use cheap shear methods resulting in larger particles (200–600nm) that absorb poorly. Most of our particle systems fall in the same 50–100nm range that pharmaceutical companies target.

**Fast Absorption:** Unlike other liposomes on the market that use low grades of phospholipids (e.g. raw lecithin), which breakdown and do not deliver compounds effectively, the high-phosphatidylcholine phospholipid mixes are smaller, more stable, and tightly distributed single-layer spheres (unilamellar vesicles). Our vesicles are small enough to begin absorption as soon as they hit your mouth.



**Efficient Compound Delivery:** Liposomes are microscopic single- to multi-layer spheres made of phospholipids — the basic building blocks of cell membranes. We engineer these phospholipids to encapsulate compounds, in order to bypass the digestive processes that normally degrade or limit compound absorption.

**Superior Chemistry:** In addition to exceptional absorption rates, nano-spheres like the ones produced by our chemists have demonstrated the ability to deposit their cargo intracellularly and enhance lymphatic circulation of nutrients.

**Smart Ingredients:** The phospholipids that compose the liposome shell feed the cell membranes. This ensures proper function for the absorption of nutrients and excretion of cellular waste products and toxins.

## CLEANER. FASTER. STRONGER.

Our lab took a leading brand hemp oil that claims to utilize nano-technology and placed it into a centrifuge next to our Nano-Enhanced Hemp oil, and the result was visibly mind blowing!

The vial on the right is an example of a self-proclaimed leading brand, that markets a nano-emulsified hemp oil. When you take the raw product and place it into centrifuge tube and centrifuge it, you can clearly see that there was enough gravitational pressure to separate the mixture. This leading brand is SELLING an unstable product, as it was never created to be a stable dispersion of water and oil. One of the things you can look for is the presence of xanthan gum, which indicates that what they have is just a mixture that will fall apart into oil and water, just like a salad dressing.

The vial on the left is our Nano-Enhanced Oil; it's visibly clear to see there is NO separation from top to bottom. In fact, the oil droplets are so small that they are EVENLY dispersed and not even gravity is going to break them apart — this is true, stable nano-delivery format.



## UNDETECTABLE AMOUNTS OF THC

Our refined two-part process begins with a food-grade ethanol extraction of raw plant materials, which brings all of the oils, cannabinoids, and a number of phenolics out of the plant.

The second purification step is Simulated Moving Bed Chromatography—a highly engineered technique that is purposefully designed for the specified extraction of select compound fractions. Our Nano-Enhanced Hemp Oil uses SMB Chromatography to pull out THC and chlorophyll, resulting in a formulation that has virtually **zero traces** of THC.

