



TREE OF LIFE
BOTANICALS

CO₂ Extraction Process

In order to collect medicinal properties of plants and apply them therapeutically, various forms of extraction are used. The safest method is known as **supercritical CO₂ extraction**. At Tree of Life we have two labs that practice Supercritical CO₂ extraction. Specialized equipment is used in this process, which subjects CO₂ gas to extremely low temperatures and high pressure. This converts the gaseous compound into a liquid, which is then used as a solvent to separate the cannabinoids and other beneficial ingredients from the plant.



Once the initial extraction process is complete, crude oil is the result. This oil contains substances including waxes, lipids and chlorophyll, which need to be further removed. The next step in involves taking the crude oil to our post processing lab and taking the crude oil through **Winterization**. Winterization separates out the waxes, lipids and fats. The oil is placed in an alcohol bath and

cooled further to subzero temperatures, separating out the undesirable substances. It is then run through a filter, and spun through a heated bath to remove the alcohol. Winterized oil is used in Tree of Life's balms, creams and soft gelcaps.

The next step in the post processing lab at Tree of Life is to take the winterized oil and refine it further through a process called distillation. We use a spinning band to be able to control which compounds we want to remain in our distillate. Distillate is used in all of our droppers which allows for a good taste profile. Most droppers on the market have a bitter taste because they are made with winterized oil which cost less to produce since you don't have to go through the cost of distillation.



The final step executed in our post processing lab is to take our distillate and turn it into isolate for our THC-free products. We have been able to produce the cleanest and most potent isolate possible through our in house techniques which commonly test at 99.9% purity.