

Isolate Process Flow

Stalk of mature hemp plants is received. Full panel testing is performed prior to commencement.

Hemp stalk is ground up into a coarse biomass to facilitate decarboxylation and extraction.

Ground hemp stalk biomass is decarboxylated in order to convert acids into CBD and other cannabinoids.

Decarboxylated material is loaded into Extractor to extract cannabinoids along with other lipids, using supercritical CO₂ as solvent.

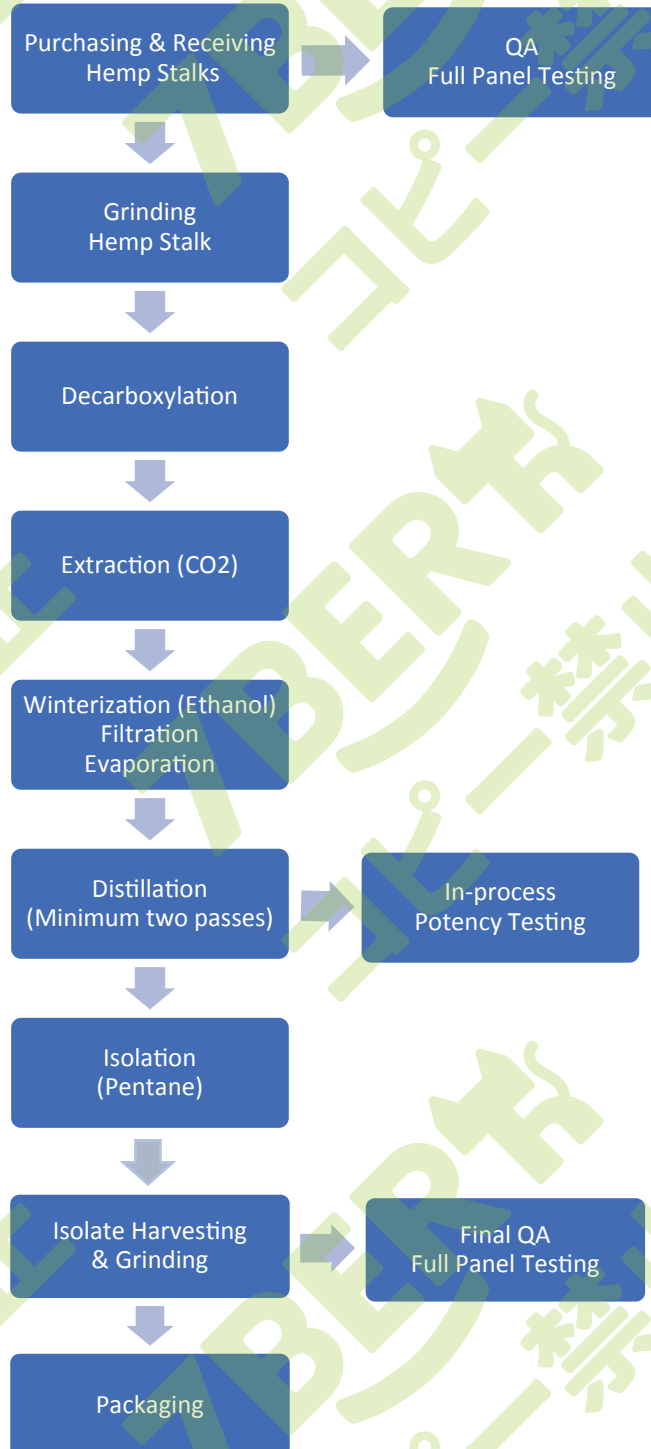
Extracted product is winterized in Ethanol and placed in freezer. After winterization, the extract is filtered to remove fats and lipids, then passed through evaporators to remove solvents.

Distillation process removes any impurities and increases cannabinoid potency. Sample is taken to obtain potency results.

Distilled product is loaded into Isolate Reactor using a solvent crystallization process with Pentane, in order to obtain isolate crystals.

Harvested isolate is dried in vacuum ovens to remove all solvents, and to eliminate residual moisture. Dried isolate is then ground up in Robo-coupe to a final fine powder. Sample is taken for final testing, then released.

Distillate is packaged into Food-Grade containers with proper labeling.



Full panel testing includes potency (cannabinoid assay), microbiology, pesticides, residual solvents, and heavy metals, to ensure final product is safe for human consumption.



Grinding



Extraction



Winterization



Filtration





Evaporation



Distillation





Isolation Reactors



Drying in Vacuum Oven





Robo-coupe Grinding

