

FFE enables the extraction of fractions that are mostly lost when using common methods. In addition, yields match or exceed industry standards. The process uses food grade solvents that chill the biomass by adiabatic cooling while extracting at low pressures. The solution is passed into a collection chamber, which is held under vacuum. In this chamber the extraction agent evaporates and is recycled online after filtration and cleaning.

FFE technology is elegant, compact, fully scalable and economical compared to other methods. A fully functional plant with the capacity of processing 1,400 tons/annum of biomass can fit on 150 square metres of total floor space, compared with 1,000 square meters needed for similar capacity solvent or CO<sub>2</sub> plant. These systems are fully scalable and can be expanded to process thousands of acres of hemp, hops or cannabis each harvest.

The key competitive advantages of the FFE process are that it:

1. Operates at lower temperatures avoiding the destruction of vital components.
2. Produces extract of superior quality and yields to those that are heated or x-rayed or micro waved.
3. Uses equipment manufacture and less expensive to operate.
4. Significantly speeds up the extraction process.
5. Does not generate undesirable effluents.
6. Can be used on many different biomass types including Cannabis, industrial hemp and hops and coconut meat.

## About

## AREV

AREV Nutrition Sciences Inc. ("AREV"), produces and delivers functional ingredients from its world-class extraction system. AREV is revolutionizing the current delivery method of coconut oil, whey protein and nutrients through emulsification. These premium ingredients and products are targeted for the natural health, medical, functional food, nutraceutical, sport nutrition and bioceutical markets. AREV is also working with Pharmacy and Dispensary operators with an innovative emulsified base formula to disperse Cannabis oil extracts from specific selected genetic Cannabis strains that address 5 areas of health including Anxiety, Pain management, Insomnia, Central Nervous System Disorders & Sexuality.

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