ABSTRACT

Because this is the future recycling and renewable energy use, and if the edible oil is an energy process, there is the need to recycle it for re use, and thus try to reduce the uncontrolled exploitation of oil in addition to being highly polluting is getting low. The process consists of giving further purification and cleaning used vegetable cooking oil, the first thing we did was put him in a steel tank to heat, it heated until it passes 35 degrees centigrade, so that through the heavier density sink to the bottom of the tank to measure the 35 degrees centigrade thermometer was used, is collected in another tank used cooking oil cleaner, this technique is known as the period of floating, and separating liquids and solids or immiscible liquids depending on its density, the result is a good band for the heavier phase floating on the lowest density. This was followed by the filter technique that separates liquids and solids by means of a filter, this process took him through the steel tank gravity to a tank very clean. As a next step was the distillation process is a period that separates liquid substances in solution in terms of their volatility. Heat supplying edible vegetable oil used, the substances are evaporated in stages, starting with the most volatile. It continued with the technique of crystallization this is a system that separates substances in solution leading to their crystallization temperature decreased, since this reduces its solubility product. The next step was to sift which is a method that separates solids in a liquid stream, through the railings. The size of the holes in the lattice is based on the size of solids separation is needed in this case we use a thick cloth preferably be white to know what we sift, this method, the more the delay is much better. As a last step is dehydration, it is a process that removes water from evaporating a solid body, for which the body is again subjected to higher temperatures, because it resembles the distillation period. These steps made it quite apart from its own filtering engine, by which I call pre filtration.