



## **ORGANIC GLYCERIN 100% Palm Free**



### **Description**

Our Organic Glycerin 100% Palm free comes from India; it is produced from Karanja seeds.

Karanja trees (*Pongomia glabra*) grow in semiarid area and Indian authorities promote the plantation of these trees as they contribute to maintain grounds.

Each tree can produce between 25 and 40kg of fruits per year. Fruits contain between 30 to 35% of oil.

### **Manufacturing process**

Oil is first splitted by hot water. Water thus obtained is enriched between 2 to 15% of glycerin on one side and free fatty acids in the other. The water is then evaporated to obtain a glycerin concentrated at 90%. It will be then distilled with steam and evaporated under vacuum.

The result is a 99.9% refined glycerin which, once discolored with active carbon and filtered, will give pure glycerin.



## Uses

Soluble in polar solvents, water and ethanol in particular, glycerin is used in many types of products in food (as E422 food additive), pharmaceuticals and in cosmetics in which it is known as moisturizing, emollient and protective agent.

## An ethical Glycerin

The production of this organic glycerin doesn't divert the necessary lands in food crops towards an industrial use. It does not divert either from the food sector the oils necessary for the food supply to population (soy, peanut, ...) as Karanja oil is a non-edible oil.

Since the food crisis in 2008, **India has forbidden the export of any food grade vegetable oil.**

## International certifications

- **CUCERT** (India)
- **ECOCERT GREENLIFE** (France) for food & cosmetics,
- **COSMOS**
- **NOP** (USA)
- **NATRUE**
- **KOSHER.**

## Increased availability

**Quantities available are important** and the supply is guaranteed. The Organic Glycerin is controlled at the departure and its arrival by two independent laboratories, one in India the other in France.

*Packaging available: 25kg, 240kg drums and IBC (1250kg)*