**WALNUT OIL**

Virgin Organic

**TECHNICAL CHARACTERISTICS**

- **Density at 30°C:** 0.924 - 0.926
- **Oleic Acidity:** max 4%
- **Vitamin E:** 2 to 3 mg/100g

**AVERAGE FATTY ACID COMPOSITION**

- **Saturated Fatty Acids**
  - Palmitic Acid (C16:0) 6.0 to 8.0%
  - Stearic Acid (C18:0) 1.0 to 3.7%
  - Arachidic Acid (C20:0) < 0.2%

- **Unsaturated Fatty Acids**
  - Oleic Acid (C18:1) 14.0 to 23.1%
  - Linoleic Acid (C18:2) 50.0 to 65.0%
  - Linolenic Acid (C18:3) 9.0 to 15.0%

**PROPERTIES**

Walnut oil contains a seldom essential fatty acid (not synthesized by the human body): linolenic acid, omega 3 which has essential function in inflammatory regulation. Lack of this fatty acid is shown by disorders of the visual and cerebral functions, particularly during growth. Walnut oil also contains vitamin E, giving its regenerating, moisturizing and tonifying properties. It is a good anti-aging agent.

**APPLICATIONS**

Walnut oil is used in several products such as regenerating creams (for normal, dry and mature skin), creams for damaged hands, personal hygiene products and anti-wrinkle products for around the eyes.

**BOTANY**

Originating from the Near East, the walnut tree belongs to the Juglandaceae family. From 10 to 25 m high, this deciduous tree has alternate glabrous leaves consisting of 5 to 9 aromatic leaflets. It has greenish elongated cylindrical pendant flowers. The flesh of the drupe, utilized as tincture, is non edible, but the stone with a bivalve shell contains a seed formed of 2 halves very rich in oil.

To obtain virgin organic walnut oil, the plants are grown using organic farming methods. They protect the environment by respecting biological cycles and by refusing pesticides and synthetic fertilizers.

**MANUFACTURING PROCESS:**

- Shell removal.
- First cold pressing (T<60°C) - no solvents or chemicals used.
- Successive filtrations of the oil through blotting paper.

**STORAGE:**

- Before opening: -keep away from light, heat (T<20°C) and in a dry place.
- After opening: -keep the product in the original packaging away from light, heat (T<20°C) and in a dry place
  - inert with 0.5 to 1L of gas (ex: nitrogen)/L of packaging,
  - close quickly after using (t opening<15min).

**PACKAGING:**

- 4,6kg, 23kg Jerry cans and 200 kg drums.

**MENTION:**

ECOCERT SAS F-32600 Inspection - Agriculture farming