

# CHUFA OIL Virgin Organic

INCI CTFA

Cyperus Esculentus Root Oil

European INCI: CAS

Cyperus Esculentus Root Oil 223748-92-3

**EINECS:** 

273-313-5

## **APPLICATIONS**

Chufa oil is ideal for the formulation of anti-ageing care creams for body and face. It is also excellent for the development of moisturizing milks and shower gels. Its stability makes it ideal for the preparation of massage and bath oils.

# **BOTANY**

Chufa, or Tiger nut, Cyperus esculentus, belongs to the papyrus family. This herbaceous plant can reach 50cm high and grows in very wet grounds or along water, all around the Mediterranean see. Its rhizomes produce small edible tubers of Spaniards who prepare a very nourishing vegetable milk, "horchata de chufa" by crushing the hydrated tubers. Chufa is at present little cultivated, mainly in Spain and in east Africa. To obtain virgin organic chufa oil, the plants are grown using organic farming methods. They protect the environment by respecting biological cycles and by refusing pesticides and synthetic fertilizers.

#### **PROPERTIES**

The great peculiarity of chufa oil lies in its wealth in omega 9 and in vitamin E. Thanks to their association, the oil has a stability very superior to the average. The antioxidizing activity of tocopherol helps the skin to fight against free radicals and thus allows preserving its youth. Omegas 6 present in the oil facilitate the cutaneous cellular renewal. Moreover chufa oil is well known to soothe and heal eczema.

## **TECHNICAL CHARACTERISTICS**

DENSITY AT 20℃: ACID VALUE:

0,910 - 0,930 Max 8mgKOH/g COLOUR: ODOUR: ASPECT AT 20℃:

yellow characteritic

IODINE VALUE: SAPONIFICATION VALUE:

70 - 120 gl2/100g 180 - 200 mgKOH/g > 15 mg / 100 g

VITAMIN E:

AVERAGE FATTY ACID COMPOSITION

Saturated Fatty Acids

C16:0 10,0 - 20,0 % Palmitic Acid C18:0 2.0 - 8.0 % Stearic acid Arachidic acid C20:0 < 1,0 %

C18 : 1 n-9 C18 : 2 n-6 Oleic acid 60,0 - 75,0 % Linoleic acid 8.0 - 18.0 %

Saturated Fatty Acids (Cx:0)

**Unsaturated Fatty Acids** 

Monounsaturated Fatty Acids (Cy:1)

Polyunsaturated Fatty Acids (Cz:2 and 3)

#### PRODUCTION AND STORAGE CONDITIONS

MANUFACTURING PROCESS: First cold pressing (T<60℃) - no solvents or chemi cals used.

Successive filtrations of the oil through blotting paper.

Before opening: -keep away from light, heat (T<20℃) and in a dry place. STORAGE:

After opening: -keep the product in the original packaging away from light, heat

(T<20℃) 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

**MENTION:** ECOCERT SAS F-32600 Inspection - Agriculture farming

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The above information is given for information purpose and corresponds to the current state of our knowledge.

