

SUNFLOWER SEED OIL

Deodorized Organic

INCI CTFA : Helianthus Annuus (Sunflower) Seed Oil
 European INCI : Helianthus Annuus Seed Oil
 CAS : 8001-21-6
 EINECS : 232-273-9

APPLICATIONS

Sunflower seed oil is used in hair and body care products, more particularly in baby care and eye contour products, emollient creams for normal and dry skin and shampoos for dry, damaged and fragile hair. It can also be used in lipsticks.

BOTANY

Originating from Central America, sunflower is a herbaceous annual belonging to the Compositae family. Up to 3 m high, the stems bear sun-shaped terminal inflorescences that can reach 30 cm in diameter. The inflorescences consist of outer yellow flowers surrounding inner tubular brown capitula. The oil is extracted from the seeds.

To obtain organic sunflower 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

Sunflower seed oil is of interest because of its content of linoleic acid (> 62%), the derivatives of which are synthesized by the organism and are constituents of the cell membranes. This gives it moisturising, regenerating and restructuring properties. Sunflower seed oil is also suitable for diets designed to reduce the cholesterol level and to prevent cardiovascular diseases.

TECHNICAL CHARACTERISTICS

DENSITY AT 20°C: 0,915 - 0,925
OLEIC ACIDITY : max 4%
COLOUR: yellow
ODOUR: slight

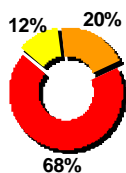
AVERAGE FATTY ACID COMPOSITION

Saturated Fatty Acids

Palmitic Acid	C16: 0	4.9 to 7.0%
Stearic Acid	C18: 0	3.1 to 6.2%
Arachidic Acid	C20: 0	< 1.0%
Behenic Acid	C22: 0	< 1.0%

Unsaturated Fatty Acids

Oleic Acid	C18: 1	15.0 to 26.0%
Linoleic Acid	C18: 2	62.0 to 85.0%
Linolenic Acid	C18: 3	< 0.2%



- Saturated Fatty Acids (Cx : 0)
- Monounsaturated Fatty Acids (Cy : 1)
- Polyunsaturated Fatty Acids (Cz : 2 and 3)

PRODUCTION AND STORAGE CONDITIONS

MANUFACTURING PROCESS : Mechanical cleaning of seed
 First cold pressing (T<60°C) - no solvents or chemicals used.
 Desodorization by vapour injection under vacuum
 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