

# Natural Sunflower HOHSHT\* Vegetal Oil

The All-Round Formula for Palm Oil Replacement

by ND Pharma & Biotech

- All-Natural Vegetal Oil
- Non-GMO's · Soy Free · Additive-Free
- Allergen Free
- High Natural *AntiOx* Power
- 99,9% Sunflower Oil · (HOHSHT)
- Label as Vegetal Oil
- *Rancimat* Index analogue to Palm Oil
- Optimal performance even @HT
- Available prompt from stock
- High Natural Tocopherols content
- Added value to any foodstuff
- Cost-Effective
- Excellent functionality
- Top Quality Manufacturing
- Worldwide Service

Safer  
Healthier  
Better

Every day millions of litres of palm and palm kernel oil are being used in foodstuffs production from dairy industry to bakery, confectionery, chocolate, and many other sectors within the foodstuffs production in general.

Recent studies, official statements and position papers from governments, health authorities and agencies are in favour of substitution for a more less risky or proven healthier alternatives with analogue or similar technological functions, industrial properties, process behaviour and optimal performance.

SUNOLIVE™ is the all-natural alternative to Palm Oil

# Sunolive

\*The All-Natural Vegetal High Oleic · High Stearic · High Tocopherols Sunflower Oil

TM

# SUNOLIVE™ Typical Analysis Values & Fatty Acids Profile

**LOW in SATURATES, HIGH in MONOUNSATURATES, NO CHOLESTEROL, TRANS FREE, NO ADDED PRESERVATIVES, NON-GMO, KOSHER, NATURAL HIGH STABILITY, REUSABLE, EXCEPTIONAL FUNCTIONALITY, HEALTHY, RANCIMAT INDEX OPTIMIZED, NATURAL ANTIOXIDANT POWER, RICH in STEARIC, A-TOCOPHEROLS AND TOCOTRIENOLS**

SUNOLIVE™ is 99,9% Sunflower Oil containing the high oleic level, high stearic and high tocopherols formula. SUNOLIVE™ is ideal for products or production processes requiring a nutritional vegetable oil with naturally high stability and natural functionalization in order to substitute Palm Oil from production and elaboration processes.

Sunolive TM	Typical Values
Visual @ 25°C	Light yellow / golden colour
Flavour /Odour	Neutral
AOM Stability (hours)	45 Min.
FFA (as Oleic, 0,05%max.)	0.03%
Moisture & volatile Matter (Impurities – 0.10% Max.)	0.04%
Peroxide Value (1.0 meq/kg. Max.)	0.1 meq/kg
Iodine Value (75 Min./95 Max.)	83
Oleic Acid (50% Min.)	78 %
Colour (5 ¼ inch Lovibond Cell-15 Yellow/1.5 Red Max.)	11 Yellow/1.2 Red
Saponification Value (187-194)	187
Smoke Point (Fahrenheit/Celsius)	482/250
Antioxidants as tocopherols	0.6 mg/ml
Stearic Acid	12.9 mg/ml
Hydrogenation	None

**SUNOLIVE™** is a proven ingredient suitable in functional food applications, including: dairy substitutes, salad and frying oils, spray oil for fruits, cereals, and granola, and in the manufacturing of confectionary products. Food manufacturing interest in SUNOLIVE™ remains high as worldwide dietary recommendations continue to be in favor increased monounsaturated intake along with the reduction in consumption of saturated fats and trans-fatty acids, or hydrogenated oils.

Fatty Acids Profile	Typical Values
Palmitic C16:0	3.5
Stearic C18:0	4.26
Oleic C18:1	50 Min
Linoleic C18:2	8.0
Linoleic C18:3	0.23
Arachidonic C20:0	0.6
Behenic C22:0	1.0
Others (not including Tocopherols).	0.9

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