



NHR ORGANIC OILS  
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## Certificate of Analysis Sheet

### Organic Pistachio Kernel Oil

(*Pistacia vera*)

PRODUCT NAME (UE)	PISTACHIO NUT ORGANIC OIL COLD PRESSED
INCI NAME (UE)	PISTACIA VERA SEED OIL
INCI NAME (US)	PISTACIA VERA (Pistachio) SEED OIL
CAS NUMBER	90082-81-8
EINECS NUMBER	290-173-0
ORIGIN	SICILIA, ITALY
CERTIFICATION	Organic Certified by Soil Association
BATCH NUMBER	160424-1

	U.M.	TEST METHODS	RANGE	ANALYTICAL RESULTS
Physical status at 25 °C	/	Visual	Liquid	Conform
Colour	/	Visual	Yellow to green	Conform
Acid value	mg KOH/g	AOCS Cd3d-63	≤ 8.0	0,45
Peroxide value*	meq O <sub>2</sub> /Kg	AOCS Cd8-53	≤ 15.0	1,1
Iodine value	gI <sub>2</sub> /100	AOCS Tg2a-64	85 – 105	104,5
Saponification value	mg KOH/g	AOCS Cd3-25	180 – 200	Conform
Unsaponifiable matter	%	AOCS Ca6b-53	≤ 1.5	Conform
Density at 20 °C	g/cc	ASTM D1298-85	0.905 – 0.925	Conform
Refractive index	/	AOCS Tp1a-64	1.470 – 1.480	Conform
M.I.U.	%	Internal method	≤ 1.0	Tr.

\*guaranteed at drumming

#### Fatty acids composition % (GLC)

Palmitic acid	C16:0	8.0 – 15.0	10,34
Palmitoleic acid	C16:1	≤ 3.0	0,72
Margaric acid	C17:0	≤ 0.1	Tr.
Margaroleic acid	C17:1	≤ 0.1	Tr.
Stearic acid	C18:0	≤ 3.0	1,02
Oleic acid	C18:1	55.0 – 75.0	56,66
Linoleic acid	C18:2	15.0 – 35.0	30,25
Alpha-Linolenic acid	C18:3	≤ 2.0	0,35
Arachidic acid	C20:0	≤ 0.5	0,10
Eicosenoic acid	C20:1	≤ 0.5	0,34
Others		≤ 1.0	0,21

**Storage and packing:** the product must be kept into the original packages, protected from light, moisture, properly closed, cool and dry. Once opened the shelf life of the oil is limited by temperature and light and oxygen exposure.