



CERTIFICATE OF ANALYSIS

PRODUCT NAME (UE)	COCONUT OIL ORGANIC DEODORIZED
PRODUCT NAME (ITA)	OLIO DI COCCO BIOLOGICO DEODORATO
INCI NAME (UE)	COCOS NUCIFERA OIL
INCI NAME (US)	COCOS NUCIFERA (Coconut) OIL
CAS NUMBER	8001-31-8
EINECS NUMBER	232-282-8
PRODUCTION DATE	05/2016
BATCH NUMBER	0046E16/01

	U.M.	TEST METHODS	RANGE	ANALYTICAL RESULTS
Physical status at 25 °C	/	Visual	Solid	Conform
Acid value	mg KOH/g	AOCS Cd3d-63	≤ 2.0	0.08
Peroxide value	meq O ₂ /Kg	AOCS Cd8-53	≤ 5.0	1.0
Saponification value	mg KOH/g	AOCS Cd3-25	245 - 265	253.2
Colour	Yellow/Red	Lovibond cell 5''¼	≤ 30(Y)/ 3.0(R)	2.9Y/0.5R
Unsaponifiable matter	%	AOCS Ca6b-53	≤ 1.0	0.56
Iodine value	gl ₂ /100	AOCS Tg2a-64	6.5 – 11.0	9.0
Melting point	°C	AOCS Cc 1-25	24 - 37	Conform

Fatty acids composition % (GLC):

Caproic acid	C6:0	≤ 1.5	0.62
Caprylic acid	C8:0	5.0-11.5	7.69
Capric acid	C10:0	5.0-10.0	5.87
Lauric acid	C12:0	44.5 – 52.0	46.29
Miristic acid	C14:0	15.0 – 25.0	18.49
Palmitic acid	C16:0	6.0 – 12.0	9.25
Palmitoleic acid	C16:1	≤ 0.5	Tr.
Stearic acid	C18:0	1.0 – 5.0	2.99
Oleic acid	C18:1	4.0 – 10.0	6.92
Linoleic acid	C18:2	1.0 – 3.0	1.79
Alpha - Linolenic acid	C18:3	≤ 0.5	0.08
Arachidic acid	C20:0	≤ 0.5	Tr.
Eicosenoic acid	C20:1	≤ 0.2	Tr.

Special advise for storage conditions: The product must kept into the original packages, protected from moisture, properly closed under cover. Storage temperature between 10 to max 22°C. The min shelf life is 12 month and the max shelf life is 24 month Effect of temperature <10°C partially solidification of the saturated fatty acids and of the natural fraction that are added into the product. Effect of temperature >40°C possible autoxidation and peroxide value increases.