

Certificate of Analysis

Product : **Coconut MCT C8-C10 Oil ORGANIC**
 PL-EKO-06

Date : 20-06-2022

Product code :
 Batch No. : **08527-org**
 Species : *Cocos nucifera*
 Manufacturing date : 02-2022
 Best use before : 02-2024

Description: Fatty oil obtained from the dried, solid part of the endosperm of *Cocos nucifera* L., the Organic Coconut Oil is produced to EU Organic standards and processes including fractional distillation without the use of chemicals. This oil is produced from organically grown coconuts.

Analytical results:

Parameter:	unit:	min:	max:	Results:
C8:0 Caprylic	A%	55.0	62.0	60.3
C10: Capric	A%	36.0	45.0	39.0
Acid value	mg KOH/g		1.0	0.03
Peroxide value	meq/KG		3.0	0.5
Anisidine value ²			15.0	<0.5
Totox value			25.0	<1.5
Moisture	%		0.1	0.01
Saponification value ²	mg KOH/g	325.0	345.0	335
Unsaponifiable matter ²	%		1.0	0.03
Refractive index at 20°C ²		1.440	1.452	1.450
Specific gravity 20 / 20°C ²	g/ml	0.930	0.960	0.945
Hydroxyl value	mg KOH/g		10.0	7.6
Lead ¹	mg/kg		0.1	<0.05
Cadmium ¹	mg/kg		0.05	<0.02
Mercury ¹	mg/kg		0.05	<0.005
Arsenic ¹	mg/kg		0.1	<0.02
Benzo (a) Pyrene ¹	µg/kg		2.0	<0.1
Sum of B(a)P, B(a)A, B(b)F, chrysene ¹	µg/kg		10.0	<1.0
Sum of dioxins and furans (WHO-PCDD/F-TEQ/g) ¹	pg/g		0.75	<0.172
Sum of dioxins, furans, dioxin-like PCBs (WHO-PCDD/F-PCB-TEQ/g) ¹	pg/g		1.25	<0.276
PCB's (Sum 28, 52, 101, 138, 153, 180) (Total 6 DIN-PCB) ¹	ng/g		40.0	<1.0
Salmonella ¹	cfu/25g		ND	ND
Yeast & moulds ¹	cfu/ml		100	<10
Total viable count (TVC) ¹	cfu/g		1000	<10
E. Coli ¹	cfu/ml		ND	ND
Staphylococcus Aureus ¹	cfu/ml		ND	ND

Pesticide residues in accordance with European Food Law¹

¹ These parameters are tested annually on a random batch

² These parameters are tested 3 times a year on a random batch

Best use date, storage and packaging:

The oil has a best use date of 24 months in the original packing. If packed in fluorinated HDPE drums best use within 12 months from packing date. Store in a cool and dry place, avoid light and heat. The oil is packed under nitrogen, once opened use content quickly. When taking material fill the drum again with nitrogen and close the drum airtight to avoid oxidation.