



**PRODUCT SPECIFICATION**  
**PRODUCT NAME: Organic Virgin Coconut Oil**  
**Revision date: 11.10.2023**

**1. PRODUCT DETAILS**

Product	Organic Virgin Coconut Oil
Description	Organic Virgin Coconut Oil obtained by mechanical process, application of mild heat treatment not exceeding 60 °C which purified by physical process of filtration.
Ingredient	Coconut Oil ( <i>Cocos nucifera oil</i> )
Preservative	Not added
Intended Use	Organic Virgin Coconut oil is used for cooking, eating, dressings, frying and baking, direct consumption. Also it can be used in production of margarine, fat products and manufacturing of pastry.
Packing	Glass jar - 200 ml, 450 ml, 500 ml, 900 ml, 1000 ml; Plastic packaging – 300 ml, 3 l, 10 l, 20 l, 200 l; IBC tote with heating pad 1000 l - 915 kg.
Storage	Store in a cool, dry and odor free area with ambient temperature, out of direct sunlight. Thawing must be done only once. If the oil is reheated, the probability of caramelizing white to yellow sediments increases.
Shelf life	24 months from date of manufacture.  Note: will solidify if stored below 79F (26 °C), will liquefy if expose to above 79F (26 0C).
Country of origin	Sri Lanka or Philippines

## 2. ORGANOLEPTIC PARAMETERS

Parameter	Test Method	Limits/Specification
Colour (1" cell) 5R+Y	AOCS Cc 13b-45	Colourless/Clear liquid, free from visible foreign matters
Taste	Tasting	Free from rancid taste
Odor	Smelling	Characteristic

## 3. CHEMICAL, PHYSICAL & MICROBIOLOGICAL PARAMETERS

### Chemical Parameters

Parameter	Test Method	Limits/Specification
Free Fatty Acid (as Lauric Acid)	LSTENISO 660:2009 (except 9,3 paragraph)	<0,2 % Max
Iodine Value	LSTENISO 3961:2013	5.5-10.6
Peroxide Value	LSTENISO 3960:2010	< 3 meq/kg
Sulfite	2014 V1.0AOAC 99.28	No
Benzo[a] pyrene, µg/kg	SDP5.4.4.Ch.207:2015	<0,2

### Heavy metal

Parameter	Test Method	Limits/Specification
Arsenic (As)	LSTEN14084:2003	0.1 ppm Max
Lead (Pb)	LSTEN14084:2003	0.5 ppm Max
Mercury (Hg)	LSTEN14084:2003	0.1 ppm Max
Cadmium (Cd)	LSTEN14084:2003	0.5 ppm Max

### Physical Parameters

Parameter	Test Method	Limits/Specification
Moisture	LSTENISO 662:2016 (except 9,3 paragraph)	<0,1 % Max
Relative density (40 °C/water at 20 °C)	-	0.908 – 0.921

#### Microbiological Parameters

Parameter	Test Method	Limits/Specification
Aerobic Plate Count (CFU/g)	LSTENISO 4833-1:2013	<1000
Total coliform (CFU/g)	LSTENISO 4831:2006	<10
E. coli (CFU/g)	LSTENISO 7251:2005	Absent
Yeast & Mold (CFU/g)	LSTENISO 21527-2:2008	<1000
Salmonella (in 25 g)	LSTENISO 6579:2003	Absent

#### Mycotoxins

Parameter	Test Method	Limits/Specification
Aflatoxin (B1 + B2 + G1 + G2)	cB 2000 by using HPLC	0.06 ppb

#### Mineral Oil (MOSH, MOAH)

Parameter	Limits/Specification
MOSH (saturated, short chain) C10-50	< 13 mg/kg
MOAH (aromatic) C10-50	< 2 mg/kg

#### 4. NUTRITION PROFILE

Typical Values
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	Per 100 g
Energy	3757 kJ/898 kcal
Total Fat	100 g
Saturated fat	94 g
Trans Fatty Acids	< 1 g
Dietary Fibers	0 g
Carbohydrate	0 g
Sugars	0 g
Protein	0 g
Sodium	0 g

## 5. FATTY ACID PROFILE

Typical Value (per 100 g)			
Medium Chain FA	Caproic Acid	C6	0 – 0.7
	Caprylic Acid	C8	4 – 10
	Capric Acid	C10	4 – 8
	Lauric Acid	C12	45 – 56
Long Chain FA	Myristic Acid	C14	16 – 21
	Palmitic Acid	C16	7.5 – 10.2
	Stearic Acid	C18:0	2 – 5
	Oleic Acid	C18:1	5 – 10
	Linoleic Acid	C18:2	1 – 2.5
	Linolenic Acid	C18:3	0 – 0.2
	Arachidic acid	C20:0	0 – 0.2
	Eicosadienoic acid	C20:1	0 – 0.2

## 6. ALLERGENS INFORMATION

Product	Present as ingredient		Present as ingredient
Cereals containing gluten: Wheat Rye	No	Nuts: Almonds Hazelnuts Cashew nuts	No

Barley Oats Spelled		Pecans Brazil Nuts Pistachio nuts Queensland nuts Macadamia nuts	
Kamut	No	Celery and derived products	No
Crustaceans and crustacean products	No	Mustard and derived products	No
Eggs and egg products	No	Sesame seeds and products made from sesame seeds	No
Fish and fish-based products	No	Sulfur dioxide and sulphites in concentrations higher than 10 mg / kg or 10 mg / l	No
Peanuts and peanut products	No	Lupins and lupine-based products	No
Soy and soy-based products	No	Molluscs	No
Milk and its derivatives (including lactose)	No		

Yes = present No = absent T = Traces

**GMO declaration:**

Does the product or components hereof, contain GM micro-organisms or is it produced with GM micro-organisms (incl. processing aids and additives): **NO.**

Note:

Chemical criteria: Heavy metals and Mycotoxins does not exceed the norms of the EU Regulation 2023/915 and amendments to this regulation. Pesticides does not exceed the norms of the EU regulation Nr. 396/2005.

Physical criteria: The product is filtered with a filter, which a mesh diameter is 1 mm.

Without allergens ir traces of allergens.

Usage: Suitable for anyone except babies.

Quality Manager