

Certificate of Analysis

Product : **Coconut MCT C8-C10 Oil ORGANIC**

Date : 14-1-2025

SKAL 017077 / NL-BIO-01

Product code : 0313500

Batch No. : **08573-org**

Species : Cocos nucifera

Manufacturing date : 11-2024

Best use before : 11-2027

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	70.0	60.8
C10:0 Capric	A%	30.0	45.0	38.9
Acid value	mg KOH/g		1.0	0.04
Peroxide value	meq/KG		3.0	0.3
Anisidine value ²			15.0	<0.5
Totox value			25.0	1.1
Moisture	%		0.1	0.02
Saponification value ²	mg KOH/g	325.0	345.0	342.5
Unsaponifiable matter ²	%		1.0	<0.01
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	6.0
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	<0.162
Sum of dioxins, furans, dioxin-like PCBs (WHO-PCDD/F-PCB-TEQ/g) ¹	pg/g		1.25	<0.250
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	<20
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 36 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.

Written by: Ms. K.C. Schraag

Approved by: Mrs. J.H. Oosterhof




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De Wit Speciality Oils B.V.
Laagwaalderweg 32
1793 ED De Waal

Date 18.12.2024

Customer no. 100583

REPORT

Order 743509 Coconut Oil MCT Organic - Batch No: 08573-org
Sample no. 743840
Sample acceptance 17.12.2024
Date of sampling 11.12.2024
Customer sample description Coconut Oil MCT Organic - Batch No: 08573-org
Packaging Plastic bottle 60ml
Sample seal I.

Unit	Result in OM	Uncertainty	Method
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Fatty acid composition

C4:0 Butyric acid	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015
Caproic acid C6:0	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015
Caprylic acid C8:0	%	60,8			MP-02203-NL ISO 12966-2:2017/12966-4:2015
Nonanoic acid C9:0	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015
C10:0 Capric acid	%	38,9			MP-02203-NL ISO 12966-2:2017/12966-4:2015
Decenoic acid C10:1	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015
Undecanoic acid (C11:0)	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015
Lauric acid C12:0	%	0,3			MP-02203-NL ISO 12966-2:2017/12966-4:2015
Dodecenoic acid C12:1	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015
C13 branched	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015
Tridecanoic acid C13:0	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015
Tridecenoic acid C13:1	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015
C14 branched	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015
Myristic acid C 14:0	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015
Myristoleic acid C14:1	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015
C15 branched	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015
Pentadecanoic acid C15:0	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015
Pentadecenoic acid C15:1	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015
C16 branched	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015
Palmitic acid C16:0	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015
Palmitoleic acid C16:1	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015
Hexadecadienoic acid C16:2 (omega 4)	%	<0,1			MP-02203-NL ISO 12966-2:2017/12966-4:2015

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Date 18.12.2024

Customer no. 100583

REPORT

Order

743509 Coconut Oil MCT Organic - Batch No: 08573-org

Sample no.

743840

Uncertainty
Method

	Unit	Result in OM				
Hexadecatrienoic acid C16:3 (omega 3)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Hexadecatetraenoic acid C16:4 (omega 3)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
C17 branched	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Margaric acid C17:0	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Heptadecenoic acid C17:1	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
C18 branched	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Stearic acid C18:0	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Oleic acid (octadecenoic acid), C18:1 (omega 9)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Ricinoleic acid C18:1	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
trans-oleic acid (trans-octadecenoic acid), C18:1t	*) %	<0,01				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Conjugated linoleic acid (CLA), C18:2	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Linoleic acid (octadecadienoic acid) C18:2 (omega 6)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Linoleic acid C18:2 (5,9)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Linoleic acid C18:2 (9,12)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
trans-Linoleic acid (trans-octadecadienoic acid), C18:2t	*) %	<0,01				MP-02203-NL ISO 12966-2:2017/12966-4:2015
alpha-Eleostearic acid C18:3 (9Z,11E,13E)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
alpha-linolenic acid (Octadecatrienoic) C18:3 (omega 3)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
beta-eleostearic acid C18:3 (9E,11E,13E)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
gamma-linolenic acid (Octadecatrienoic) C18:3 (omega 6)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Octadecatrienoic acid C18:3 (5,9,12)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Octadecatrienoic acid C18:3 (9,12,15)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
trans-linolenic acid (octadecatrienoic acid) C18:3t	*) %	<0,01				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Stearidonic acid (octadecatetraenoic acid) C18:4 (omega 3)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Nonadecanoic acid C19:0	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Arachidic acid C20:0	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Gadoleic acid C20:1 (omega 9)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Eicosadienoic C20: 2 (omega 6)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Eicosatrienic acid C20: 3 (omega 3)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Eicosatrienoic C20: 3 (omega 6)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Arachidonic acid (eicosatetraenoic acid) C20:4 (omega 6)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Eicosatetraenoic acid C20:4 (omega 3)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Eicosapentaenoic acid (EPA), C20:5 (omega 3)	%	<0,1				MP-02203-NL ISO 12966-2:2017/12966-4:2015

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REPORT

Order

743509 Coconut Oil MCT Organic - Batch No: 08573-org

Sample no.

743840

	Unit	Result in OM	Uncertainty	Method
Heneicosanoic acid C21:0	%	<0,1		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Behenic acid C22:0	%	<0,1		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Erucic acid C22:1 (omega 9)	%	<0,1		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Docosadienoic acid C22:2 (omega 6)	%	<0,1		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Docosatrienoic acid C22:3 (omega 3)	%	<0,1		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Docosatetraenoic acid C22:4 (omega 6)	%	<0,1		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Docosapentaenoic acid C22:5 (omega 6)	%	<0,1		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Docosapentaenoic acid C22:5 (omega 3)	%	<0,1		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Docosahexaenoic acid C22:6 (omega 3)	%	<0,1		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Tricosanoic acid C23:0	%	<0,1		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Lignoceric acid C24:0	%	<0,1		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Nervonic acid (tetracosenoic acid) C24:1 (omega 9)	%	<0,1		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Total monounsaturated fatty acids	%	<0,1 x)		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Total Omega 3 fatty acids	%	<0,1 x)		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Total Omega 6 fatty acids	%	<0,1 x)		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Total Omega 9 fatty acids	%	<0,1 x)		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Total polyunsaturated fatty acids	%	<0,1 x)		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Total polyunsaturated (>4) fatty acids	%	<0,1 x)		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Total saturated fatty acids	%	100,0 x)		MP-02203-NL ISO 12966-2:2017/12966-4:2015
Total trans fatty acids *)	%	<0,10 x)		MP-02203-NL ISO 12966-2:2017/12966-4:2015

x) Single values below the quantification limit or the detection limit were not taken into account.

Explanation: The symbol "<" or n.q. in the result column means, the parameter concerned is not quantifiable at the limit of quantification shown opposite.

The calculation of the combined and expanded analytical measurement uncertainty mentioned in the present report is based on the GUM (Guide to the expression of uncertainty in measurement, BIPM, IEC, IFCC, ISO, IUPAC, IUPAP and OIML, 2008) and Nordtest Report (Handbook for calculation of measurement uncertainty in environmental laboratories (TR 537 (ed. 4) 2017). The coverage factor used is 2 for a 95% probability level (confidence interval).

The list of conformity accredited activities L234 (MF-04048-EN) is available on our website www.drverwey.nl

Start of testing: 17.12.2024

End of testing: 18.12.2024

The results are related only to the samples tested. In cases where the laboratory has not been responsible for sampling, the reported results apply to the samples as received. The laboratory is not responsible for the information provided by the customer. The customer information, if any, presented in this test report is not subject to the accreditation of the laboratory and may affect the validity of the test results. Duplication of this document or of parts of it requires the authorization from laboratory.

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