Certificate of Analysis

Product : **Coconut MCT C8 Oil ORGANIC** Date : 9-2-2021

SKAL 017077 / NL-BIO-01

Product code : 0313100
Batch No. : **08517-org**
Species : Cocos nucifera
Manufacturing date : 11-2020
Best use before : 11-2022

Description: Fatty oil obtained from the dried, solid part of the endosperm of Cocos nucifera L.,the Organic Coconut MCT C8 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%**	**95.0**		**98.4**
Acid value	mg KOH/g		1.0	0.02
Peroxide value	meq/KG		3.0	0.02
Anisidine value[2]			15.0	<0.5
Totox value			25.0	<0.54
Moisture	%		0.1	0.04
Saponification value[2]	mg KOH/g	345.0	370.0	356
Unsaponifiable matter[2]	%		1.0	0.5
Refractive index at 20ºC[2]		1.430	1.462	1.4458
Specific gravity 20 / 20ºC[2]	g/ml	0.930	0.960	0.9530
Hydroxil value	mg KOH/g		10.0	1.0
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	<0.159
Sum of dioxins, furans, dioxin-like PCBs (WHO-PCDD/F-PCB-TEQ/g)[1]	pg/g		1.25	<0.255
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	<1
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 Law[1]				

[1] These parameters are tested annually on a random batch (it will be listed on the CoA updated with the most recent results)
[2] These parameters are tested 3 times a year on a random batch (it will be listed on the CoA updated with the most recent results)

Store and packing: Store in a cool and dry place, avoid light and heat. Cover with nitrogen after opening and close the drum airtight, once opened use content quickly. If packed in fluorinated HDPE drums best use within 12 months from packing date, if packed in standard HDPE drums best use within 6 months from packing date.

INNOVATION AND EXCELLENCE SINCE 1992

Date 08.02.2021
Customer no. 100583

REPORT 606024 - 489941

Order	**606024 Coconut MCT Oil Organic - Batch: 08517-org**
Sample no.	**489941**
Sample acceptance	**03.02.2021**
Date of sampling	**03.02.2021**
Customer sample description	**Coconut MCT Oil Organic - Batch: 08517-org - 01-02-21**
Packaging	**plastic bottle abt 30 ml**
Sample seal	**-**

Fatty acid composition

	Unit	Result in OM				Method
Butyric acid C4:0	%	**<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	%	**98,4**				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
Capric acid C10:0	%	**1,4**				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	%	**<0,1**				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Dodecenoicacid 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
Myristoleicacid 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
Pentadecenoid 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
Palmitoleinic acid C16:1	%	**<0,1**				MP-02203-NL ISO 12966-2:2017/12966-4:2015

INNOVATION AND EXCELLENCE SINCE 1992

Date 08.02.2021
Customer no. 100583

REPORT 606024 - 489941

	Unit	Result in OM				Method
Hexadecadienoic acid C16:2 (omega 4)	%	**<0,1**				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Hexadecatrienoicacid 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 (octadecenoicacid), C18:1 (omega 9)	%	**<0,1**				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Ricinoleicacid C18:1	%	**<0,1**				MP-02203-NL ISO 12966-2:2017/12966-4:2015
trans-oleicacid (trans-octadecenoicacid), C18:1t *)	%	**<0,01**				in accordance with ISO 15304:2002
Conjugated linoleicacid (CLA), C18:2	%	**<0,1**				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Linoleic acid (octadecadienoicacid) C18:2 (omega 6)	%	**<0,1**				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Linoleicacid C18:2 (5,9)	%	**<0,1**				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Linoleicacid C18:2 (9,12)	%	**<0,1**				MP-02203-NL ISO 12966-2:2017/12966-4:2015
trans-Linoleicacid (trans-octadecadienoicacid),C18:2t *)	%	**<0,01**				in accordance with ISO 15304:2002
alpha-Eleostearicacid C18:3 (9Z,11E,13E)	%	**<0,1**				MP-02203-NL ISO 12966-2:2017/12966-4:2015
alpha-linolenicacid (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-linolenicacid (octadecatrienoicacid) C18:3t *)	%	**<0,01**				in accordance with ISO 15304:2002
Stearidonic acid (octadecatetraenoicacid) 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 (eicosatetraenoicacid) C20:4 (omega 6)	%	**<0,1**				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Eicosatetraenoicacid C20:4 (omega 3)	%	**<0,1**				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Eicosapentaenoicacid (EPA), C20:5 (omega 3)	%	**<0,1**				MP-02203-NL ISO 12966-2:2017/12966-4:2015
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

The activities reported in this document are accredited according to EN ISO/IEC 17025:2017. Only not accredited activities are identified by the symbol "*) ".

Date 08.02.2021
Customer no. 100583

REPORT 606024 - 489941

	Unit	Result in OM				Method
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
Docosapentaenoicacid C22:5 (omega 6)	%	**<0,1**				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Docosapentaenoicacid C22:5 (omega 3)	%	**<0,1**				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Docosahexaenoicacid 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 (tetracosenoicacid) 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	%	**99,9** x)				MP-02203-NL ISO 12966-2:2017/12966-4:2015
Total trans fatty acids *)	%	**<0,10** x)				in accordance with ISO 15304:2002

x) The sum calculation is done without taking into account single values below limit of detection or limit of quantification.
Explanation: The symbol "<" or n.d. in the result column means, the substance concerned is not quantifiable at the limit of quantification shown opposite.
Parameter-specific measurement uncertainties and information regarding the method of calculation will be provided upon request if the reported results are above the parameter-specific limit of quantification.

Start of testing: 03.02.2021
End of testing: 08.02.2021

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. Duplication of this document or of parts of it requires the authorization from laboratory.