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Certificate of analyses

MCT Oil 60/40 Coconut

Lot L0069
Production Date 28-1-2025
Best Before 28-1-2027
Item 241722500

Description
An oil rich in medium chain triglycerides, mainly caprylic and capric acid in a ratio 60:40. T dduct is made from coconut oil fatty acids.

Ingredients
Vegetable oil.

Analytical

Name	Method	Unit	Min.	Target	Max.	Value
Acid Value	ISO 660	mg KOH/g			0.1	0.02
Litre weight	NEN-ISO 6883	g/ml 20°C	0.93		0.96	0.944
Moisture and volatile matter	ISO 662	%			0.1	<0.01
Peroxide value	ISO 3960	meq/kg			2.0	<0.1

Fatty Acid Composition (%)

Name	Method	Unit	Min.	Target	Max.	Value
C06:0 Caproic	AOCS Ce 2-66 Ce 1e-91	%			0.5	0
C08:0 Caprylic	AOCS Ce 2-66 Ce 1e-91	%	55		65	56.0
C10:0 Capric	AOCS Ce 2-66 Ce 1e-91	%	35		45	43.6
C12:0 Lauric	AOCS Ce 2-66 Ce 1e-91	%			1.5	0.2
C14:0 Myristic	AOCS Ce 2-66 Ce 1e-91	%			0.5	0

Fatty Acid Composition (g/100g)

Name	Method	Unit	Min.	Target	Max.	Value
C06:0 Caproic	AOCS Ce 2-66 Ce 1e-91	g/100g			0.5	0
C08:0 Caprylic	AOCS Ce 2-66 Ce 1e-91	g/100g	49.5		58.5	50.4
C10:0 Capric	AOCS Ce 2-66 Ce 1e-91	g/100g	31.5		40.5	39.2
C12:0 Lauric	AOCS Ce 2-66 Ce 1e-91	g/100g			1.4	0.2
C14:0 Myristic	AOCS Ce 2-66 Ce 1e-91	g/100g			0.5	0

Metals

Name	Method	Unit	Min.	Target	Max.	Value
Arsenic	AAS	mg/kg			0.1	Pass
Cadmium	AAS	mg/kg			0.1	Pass
Lead	AAS	mg/kg			0.1	Pass
Mercury	AAS	mg/kg			0.1	Pass

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Mycotoxins

Name	Method	Unit	Min.	Target	Max.	Value
Aflatoxin B1	HPLC	µg/kg			2.0	Pass
Aflatoxin B1+B2+G1+G2	HPLC	µg/kg			4.0	Pass

Contaminants

Name	Method	Unit	Min.	Target	Max.	Value
3-MCPD esters	GC-MS	µg/kg			1250	<100
Benzo(a)pyrene	HPLC	µg/kg			2.0	Pass
Benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene	HPLC	µg/kg			20.0	Pass
Dioxins (WHO-PCDD/F-TEQ)	GC-HRMS	ng/kg fat			0.75	Pass
Dioxins + DL-PCB's (WHO- PCDD/F-PCB-TEQ)	GC-HRMS	ng/kg fat			1.25	Pass
Glycidyl Esters	GC-MS	µg/kg			1000	<100
PCB's no's 28 52 101 138 153 180	GC-MS	µg/kg fat			Σ 15	Pass
Pesticides	GC-MS	µg/kg			MRL	Pass

General remarks

The parameters 3MCPD esters and Glycidyl esters are valid according the dates stated in EU legislation 2020/1322

Approved bij Ronald Pott, Manager Regulatory QESH



d.d. 28-5-2025 (6