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Certificate of analyses

MCT Oil C8 Coconut

Lot K0349
Production Date 1-6-2024
Best Before 1-6-2026
Item 241722501

Description
An oil rich in caprylic acid, a medium chain triglyceride.
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	0.94		0.97	0.953
Moisture and volatile matter	ISO 662	%			0.1	0.02
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	0.2
C08:0 Caprylic	AOCS Ce 2-66 Ce 1e-91	%	99			99.5
C10:0 Capric	AOCS Ce 2-66 Ce 1e-91	%			1	0.1

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

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

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Contaminants

Name	Method	Unit	Min.	Target	Max.	Value
3-MCPD esters	GC-MS	µg/kg			1250	1200
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