

Product Specification

Product	: 0340400 NEWmega™ Chia Oil CP-VIR ORGANIC	Date	20-7-2021
	NL-BIO-01 / SKAL 017077	Version	2021-1
Product code	: 0340400		
Species	: Salvia Hispanica		
Antioxidants	: No antioxidants have been added to the oil		

Description: A clear golden yellow oil, typical in taste and smell. The Chia Oil is obtained by mechanical cold pressing and filtration only. Produced from organically grown chia seed.

Parameter:	unit:	min:	max:	Method:
Acid value	mg KOH/g		2.0	ISO 660
Peroxide value	meq/kg		8.0	ISO 3960
Anisidine value ²			15.0	ISO 6885
Totox value			25.0	calculated
Moisture	%		0.1	AOCS Ca2e:84(09)
Saponification value ²	mg KOH/g	190.0	200.0	ISO 3657
Unsaponifiable matter ²	%		1.5	ISO 3596
Refractive index at 20°C ²		1.470	1.485	ISO 6320
Specific gravity 20 / 20°C ²	g/ml	0.920	0.930	ISO 6883
Colour	Gardner		15.0	DIN 5033
Saturated fatty acids of chain length less than C16	A%		0.3	NHE1006-in house method
C16:0 Palmitic	A%	3.0	8.0	NHE1006-in house method
C18:0 Stearic	A%	1.0	6.0	NHE1006-in house method
C18:1 Oleic	A%	3.0	9.0	NHE1006-in house method
C18:1 Cis-vaccenic	A%		2.0	NHE1006-in house method
C18:2 Linoleic	A%	15.0	20.0	NHE1006-in house method
C18:3 Alpha Linolenic	A%	60.0		NHE1006-in house method
Others	A%		3.0	NHE1006-in house method
Lead ¹	mg/kg		0.1	NHE1006-in house method
Cadmium ¹	mg/kg		0.05	ICPMS
Mercury ¹	mg/kg		0.05	ICPMS
Arsenic ¹	mg/kg		0.1	ICPMS
Benzo (a) Pyrene ²	µg/kg		2.0	QMP_504_VW-401
Sum of B(a)P, B(a)A, B(b)F, chrysene ²	µg/kg		10.0	QMP_504_VW-401
Sum of dioxins and furans (as WHO-PCDD/F-TEQ/g) ¹	pg/g		0.75	GLS DF 110, GC-MS/MS
Sum of dioxins, furans, dioxin-like PCBs (WHO-PCDD/F-PCB-TEQ/g) ¹	pg/g		1.25	GLS DF 110, GC-MS/MS
PCB's (Sum 28, 52, 101, 138, 153, 180) (Total 6 DIN-PCB) ¹	ng/g		40	GLS DF GC-MS/MS calc.
Salmonella ²	cfu/25g		ND	TP/018
Yeast & moulds ²	cfu/ml		100	TP/008
Total viable count (TVC) ²	cfu/g		1000	TP/006
E. Coli ²	cfu/ml		ND	TP/016
Staphylococcus Aureus ²	cfu/ml		ND	TP/012
Pesticide residues in accordance with European Food Law ¹				GC-MS/MS,GC-NCI,LC-MS/MS

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 12 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.

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