

CERTIFICATE OF ANALYSIS no: 55486

Date of issue: 5/4/2016

CUSTOMER: GASTSTAETTE NORDPOL	FAX :
MULTICHROM.LAB CODE No : 55486	Date of analysis (from): 23/3/2016
DECLARED COMMODITY: EXTRA VIRGIN OLIVE OIL	(to): 5/4/2016
RECEIVING DATE: 23/3/2016	SAMPLE CONDITION: NORMAL
SEALS: INTACT COMMERCIAL PACKAGE	SAMPLING BY: CUSTOMER
DATA: EPIRON SAMPLE 15/16 01	

RESULTS

Determination	Method	Unit	Result	Limit
Free fatty acid content (as oleic acid)	2568/91	%	0,33	≤ 0,80
K Coefficients	2568/91	-	-	-
K268		-	0,116	≤ 0,22
K232		-	1,880	≤ 2,50
DK		-	0,002	≤ 0,01
Peroxide Value	2568/91	meqO2/kg	5,2	≤20,0
Total Halogenated Volatile Solvents	2568/91	mg/kg	<0,01	≤ 0,2
ΔECN42	2568/91	-	0,1	≤ 0,2
Stigmastadienes	2568/91	ppm	0,02	≤ 0,05
Total Ethylesters of Fatty Acids	COI/T.20/Doc. 28 - 2009	mg/kg	25	≤ 35
Fatty Acid Composition	2568/91	%	-	-
C14:0 (Myristic)			0,01	≤ 0,03
C16:0 (Palmitic)			10,83	7,5-20,0
C16:1 (Palmitoleic)			0,94	0,3-3,5
C17:0 (Heptadecanoic)			0,04	≤ 0,3
C17:1 (Heptadecenoic)			0,07	≤ 0,3
C18:0 (Stearic)			2,49	0,5-5,0
C18:1 (Oleic) (ω9)			74,88	55,0-83,0
C18:2 (Linoleic) (ω6)			8,92	3,5-21,0
C18:3 (Linolenic) (ω3)			0,77	≤ 1,0
C20:0 (Arachidic)			0,49	≤ 0,6
C20:1 (Eicosenoic)			0,35	≤ 0,4
C22:0 (Behenic)			0,14	≤ 0,2
C22:1 (Erucic) (ω9)			0,00	-
C24:0 (Lignoceric)			0,07	≤ 0,2
trans C18:1			0,01	≤ 0,05
trans C18:2 + trans C18:3			0,01	≤ 0,05
Sterols	EU 2568/91	mg/kg	1272	≥ 1000
Cholesterol		%	0,1	≤ 0,5
Brasicasterol		%	<0,1	≤ 0,1
24-methylcholesterol		%	0,1	-

The above results concern only the sample we examined.

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n.d. - not detected, LoD - limit of detection of the method (the lowest concentration of a substance that can be distinguished from the absence of that substance for the given analytical procedure), LoQ - limit of quantitation of the method (the concentration of a substance at which quantitative results can be reported with a high degree of confidence for the given analytical procedure), (1) semi-quantitative, (2) no metabolites included.

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RESULTS

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Campesterol (Campes.)		%	3,1	≤ 4,0
Campestanol		%	0,1	-
Stigmasterol		%	1,2	< Campes.
d7-campestanol		%	0,0	-
d5,23stigm/dienol		%	0,0	-
Clerosterol		%	1,1	-
B-sitosterol		%	87,1	-
Sitostanol		%	0,5	-
d5-avenasterol		%	5,9	-
d5,24-stigm/dienol		%	0,5	-
d7-stigmastenol		%	0,2	≤ 0,5
d7-avenasterol		%	0,2	-
Erythrodiol		%	1,1	-
Uvaol		%	0,2	-
Erythrodiol+uvaol		%	1,3	≤ 4,5
Total b-sitosterol		%	95,0	≥ 93,0
Waxes	2568/91	mg/kg	33	≤ 150
Mineral Hydrocarbons (C10-C50)	Internal (CC/GC)	mg/kg	<11	-
Phthalate Esters	Internal(GC/MS)	mg/kg	-	-
DEHP (Diethyl hexyl phthalate)		mg/kg	<0,5	-
LoQ: 0,5mg/kg)				



For **multichrom.lab**


 E. Salivaras, M.Sc.

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