

CERTIFICATE OF ANALYSIS no: 66852

Date of issue: 7/2/2018

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MULTICHROM.LAB CODE No : 66852

Date of analysis (from): 6/2/2018

DECLARED COMMODITY: EXTRA VIRGIN OLIVE OIL

(to): 7/2/2018

RECEIVING DATE: 6/2/2018

SAMPLE CONDITION: NORMAL

SEALS: None

SAMPLING BY: CUSTOMER

DATA:
RESULTS

Determination	Limit of Quantitation	Method	Unit	Result	Limit
Free fatty acid content (as oleic acid)		2568/91	%	0,15	≤ 0,8
K Coefficients		2568/91	-	-	-
K268			-	0,131	≤ 0,22
K232			-	1,599	≤ 2,50
DK			-	-0,007	≤ 0,01
Peroxide Value		2568/91	meqO2/kg	9,4	≤20,0
Fatty Acid Composition		2568/91	%	-	-
C14:0 (Myristic)				0,01	≤ 0,03
C16:0 (Palmitic)				11,19	7,5-20,0
C16:1 (Palmitoleic)				0,92	0,3-3,5
C17:0 (Heptadecanoic)				0,04	≤ 0,3
C17:1 (Heptadecenoic)				0,08	≤ 0,3
C18:0 (Stearic)				2,72	0,5-5,0
C18:1 (Oleic) (ω9)				76,20	55,0-83,0
C18:2 (Linoleic) (ω6)				7,09	3,5-21,0
C18:3 (Linolenic) (ω3)				0,74	≤ 1,0
C20:0 (Arachidic)				0,47	≤ 0,6
C20:1 (Eicosenoic)				0,32	≤ 0,4
C22:0 (Behenic)				0,16	≤ 0,2
C22:1 (Erucic) (ω9)				0,00	-
C24:0 (Lignoceric)				0,06	≤ 0,2
trans C18:1				0,02	≤ 0,05
trans C18:2 + trans C18:3				0,01	≤ 0,05
Sterols		EU 2568/91	mg/kg	1289	≥ 1000
Cholesterol			%	0,2	≤ 0,5
Brassicasterol			%	<0,1	≤ 0,1
24-methylcholesterol			%	0,2	-
Campesterol (Camps.)			%	3,1	≤ 4,0
Campestanol			%	0,1	-
Stigmasterol			%	0,4	< Campes.
d7-campestanol			%	0,0	-

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

Determination	Limit of Quantitation	Method	Unit	Result	Limit
d5,23stigm/dienol			%	0,0	-
Clerosterol			%	0,6	-
B-sitosterol			%	74,5	-
Sitostanol			%	0,3	-
d5-avenasterol			%	19,5	-
d5,24-stigm/dienol			%	0,6	-
d7-stigmastenol			%	0,1	≤ 0,5
d7-avenasterol			%	0,3	-
Erythrodiol			%	1,8	-
Uvaol			%	0,3	-
Erythrodiol+uvaol			%	2,1	≤ 4,5
Total b-sitosterol			%	95,6	≥ 93,0
Mineral Hydrocarbons (C10-C60)	11	Internal (CC/GC)	mg/kg	23	-



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 E. Salivaras, M.Sc.

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