



CERTIFICATE OF ANALYSIS no: 88354

Date of issue: 8/12/2020

CUSTOMER: NIKOLOPOULOS STAVROS "NIKOLOPOULOS ESTATE"	PHONE : 6955806715
MULTICHROM.LAB CODE No : 88354	Date of analysis (from): 7/12/2020
COMMODITY ACCORDING TO CUSTOMER: EXTRA VIRGIN OLIVE OIL	(to): 8/12/2020
RECEIVING DATE: 7/12/2020	SAMPLE CONDITION: NORMAL
SEALS: None	SAMPLING BY: CUSTOMER
DATA:	

RESULTS

Determination	Method	Unit	Result	Limit
Free fatty acid content (as oleic acid)	2568/91 ^a	%	0,26	≤ 0,80
K Coefficients	2568/91 ^a	-	-	-
K268		-	0,158	≤ 0,22
K232		-	1,649	≤ 2,50
DK		-	-0,006	≤ 0,01
Peroxide Value	2568/91 ^a	meqO2/kg	11,7	≤20,0
Humidity	ISO 8534 ^a	%	0,16	-
Impurities (insoluble in petroleum ether)	ISO 663	%	0,04	-
Moisture + Volatile + Impurities		%	0,20	-
Total Halogenated Volatile Solvents	2568/91	mg/kg	<0,01	≤ 0,2
ΔECN42	2568/91	-	0,10	≤ 0,20
Stigmastadienes	2568/91	ppm	0,02	≤ 0,05
Total Biophenols (as tyrosol)	COI/T.20/Doc. No 29/ Rev 1 2017	mg/kg	316	-
Ethylesters of Fatty Acids	COI/T.20/Doc. 28 - 2009	mg/kg	4	≤ 35
2 position palmitic acid	2568/91	%	0,7	≤ 0,9
Fatty Acid Composition	2568/91	%	-	-
C14:0 (Myristic)			0,01	≤ 0,03
C16:0 (Palmitic)			12,51	7,5-20,0
C16:1 (Palmitoleic)			0,95	0,3-3,5
C17:0 (Heptadecanoic)			0,05	≤ 0,40
C17:1 (Heptadecenoic)			0,08	≤ 0,60
C18:0 (Stearic)			2,70	0,5-5,0
C18:1 (Oleic) (ω9)			76,15	55,0-83,0
C18:2 (Linoleic) (ω6)			5,66	2,5-21,0
C18:3 (Linolenic) (ω3)			0,85	≤ 1,0
C20:0 (Arachidic)			0,49	≤ 0,6
C20:1 (Eicosenoic)			0,32	≤ 0,50
C22:0 (Behenic)			0,16	≤ 0,2
C22:1 (Erucic) (ω9)			0,00	-

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. - ° Methods within scope of accreditation.



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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 ^a	mg/kg ^r	971	≥ 1000
Cholesterol		%	0,2	≤ 0,5
Brassicasterol		%	<0,1	≤ 0,1
24-methylcholesterol		%	0,2	-
Campesterol (Campes.)		%	4,0	≤ 4,0
Campestanol		%	0,1	-
Stigmasterol		%	0,7	< Campes.
d7-campestanol		%	0,0	-
d5,23stigm/dienol		%	0,0	-
Clerosterol		%	1,0	-
B-sitosterol		%	85,1	-
Sitostanol		%	0,5	-
d5-avenasterol		%	6,8	-
d5,24-stigm/dienol		%	0,7	-
d7-stigmastenol		%	0,3	≤ 0,5
d7-avenasterol		%	0,4	-
Erythrodiol		%	3,9	-
Uvaol		%	0,5	-
Erythrodiol+uvaol		%	4,4	≤ 4,5
Total b-sitosterol		%	94,1	≥ 93,0
Waxes (C42+C44+C46)	2568/91	mg/kg ^r	20	≤ 150
Refractive Index (@20°C) of Olive Oil	ISO 6320, 1995	-	1,4678	1,4677-1,4705

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Laboratory Supervisor


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