



Head Office: Sfakion str. 50, 12131 Peristeri - Athens Greece tel. +30 2105910620 fax. +30 2105311580 e-mail: info@multichromlab.com  
Branch Office: George Vasilakis str. 143 and Diomede, 71410 Herakleion, Crete Greece, tel. +30 2810260736 e-mail: labcrete@multichromlab.com

## CERTIFICATE OF ANALYSIS no: P-101662

Date of issue: 10/11/2022

<b>CUSTOMER:</b> KANARA SAKELAROPOULOU ATHANASIA	<b>PHONE :</b> 6932309909
<b>MULTICHROM.LAB CODE No :</b> P-101662	<b>Date of analysis (from):</b> 08/11/2022
<b>COMMODITY ACCORDING TO</b>	<b>(to):</b> 10/11/2022
<b>CUSTOMER:</b> EXTRA VIRGIN OLIVE OIL	<b>SAMPLE CONDITION:</b> NORMAL
<b>RECEIVING DATE:</b> 08/11/2022	<b>SAMPLING BY:</b> CUSTOMER
<b>SEALS:</b> None	
<b>DATA:</b> Armonia Monovarietal Organic	

### RESULTS

Determination	Method	Unit	Result	Limit <sup>†</sup>
Free fatty acid content (as oleic acid)	2568/91	%	0,25	≤ 0,80
K Coefficients	2568/91	-	-	-
K268		-	0,153	≤ 0,22
K232		-	1,713	≤ 2,50
DK		-	-0,008	≤ 0,01
Peroxide Value	2568/91	meqO <sub>2</sub> /kg	5,3	≤20,0
Total Halogenated Volatile Solvents	2568/91 <sup>‡</sup>	mg/kg	<0,01	≤ 0,2
ΔECN42	2568/91	-	0,08	≤ 0,20
Stigmastadienes	COI/T.20/Doc. No 16/Rev. 2 2017 <sup>‡</sup>	mg/kg	0,01	≤ 0,05
Ethylesters of Fatty Acids	COI/T.20/Doc. 28 - 2009	mg/kg	7	≤ 35
Fatty Acid Composition	2568/91	%	-	-
C14:0 (Myristic)			0,01	≤ 0,03
C16:0 (Palmitic)			12,75	7,00-20,00
C16:1 (Palmitoleic)			0,83	0,30-3,50
C17:0 (Heptadecanoic)			0,07	≤ 0,40
C17:1 (Heptadecenoic)			0,10	≤ 0,60
C18:0 (Stearic)			3,38	0,50-5,00
C18:1 (Oleic) (ω9)			73,45	55,00-85,00
C18:2 (Linoleic) (ω6)			7,49	2,50-21,00
C18:3 (Linolenic) (ω3)			0,90	≤ 1,00
C20:0 (Arachidic)			0,51	≤ 0,60
C20:1 (Eicosenoic)			0,31	≤ 0,50
C22:0 (Behenic)			0,14	≤ 0,20
C22:1 (Erucic) (ω9)			<0,01	-
C24:0 (Lignoceric)			0,06	≤ 0,20

<sup>‡</sup> Method outside the scope of accreditation.

The above results concern only the sample we examined.  
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n.d. - not detected.

<sup>†</sup>Limits according to: EU 2568/91 as in force today.



Tests  
certification no. 632-5



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<b>DATA:</b> Armonia Monovarietal Organic	

### RESULTS

Determination	Method	Unit	Result	Limit <sup>a</sup>
trans C18:1			0,01	≤ 0,05
trans C18:2 + trans C18:3			0,03	≤ 0,05
Sterols	EU 2568/91	mg/kg	1303	≥ 1000
Cholesterol		%	0,2	≤ 0,5
Brassicasterol		%	<0,1	≤ 0,1
24-methylcholesterol		%	0,2	-
Campesterol (Campes.)		%	3,8	≤ 4,0
Campestanol		%	0,1	-
Stigmasterol		%	0,6	< Campes.
d7-campestanol		%	0,0	-
d5,23stigm/dienol		%	0,0	-
Clerosterol		%	1,2	-
B-sitosterol		%	79,5	-
Sitostanol		%	0,4	-
d5-avenasterol		%	12,3	-
d5,24-stigm/dienol		%	0,9	-
d7-stigmastenol		%	0,4	≤ 0,5
d7-avenasterol		%	0,5	-
Erythrodiol		%	2,8	-
Uvaol		%	0,6	-
Erythrodiol+uvaol		%	3,4	≤ 4,5
Total b-sitosterol		%	94,2	≥ 93,0
Waxes (C42+C44+C46)	2568/91	mg/kg	39	≤ 150

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**(to):** 10/11/2022

**RECEIVING DATE:** 08/11/2022

**SAMPLE CONDITION:** NORMAL

**SEALS:** None

**SAMPLING BY:** CUSTOMER

**DATA:** Armonia Monovarietal Organic

Dimitrios Salivaras  
Laboratory Supervisor

Emmanuel Salivaras, M.Sc.  
Laboratory General Manager

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