multichrom.LAB
Expertise in Olive Oil Testing since 1993
Registration number: 7833701000

International Olive Council
Recognized laboratory
physico-chemical testing - Type B
01/12/2025 – 30/11/2026

Sfakion str. 50, 12131 Peristeri - Athens Greece, tel. +30 2105910620, e-mail: info@multichromlab.com

CERTIFICATE OF ANALYSIS no: P-129414

Date of issue: 9/12/2025

CUSTOMER: SAKELLAROPOULOS ORGANIC FARMS
PHONE :
MULTICHROM.LAB CODE No : P-129414
Date of analysis (from): 5/12/2025
COMMODITY ACCORDING TO CUSTOMER: EXTRA VIRGIN OLIVE OIL - ORGANIC
(to): 9/12/2025
RECEIVING DATE: 5/12/2025
SAMPLE CONDITION: NORMAL
SEALS: None
SAMPLING BY: CUSTOMER
DATA: FYLLIKON First Harvest Organic

RESULTS

Determination	Method	Unit	Result	Limit[1]
Free fatty acid content (as oleic acid)	COI/T.20/DOC. 34/Rev. 1 – 2017	%	0,15	≤ 0,80
K Coefficients	COI/T.20/DOC.19/Rev.5/2019	-	-	-
K268		-	0,169	≤ 0,22
K232		-	1,556	≤ 2,50
DK		-	-0,010	≤ 0,01
Peroxide Value	COI/T.20/DOC.35/Rev.1/2017	meqO_2/kg	3,7	≤20,0
ΔECN42	COI/T.20/Doc.No.20/ Rev.4/2017	-	0,06	≤ 0,20
Stigmastadienes	COI/T.20/Doc. No 16/Rev. 2 2017[α]	mg/kg	0,02	≤ 0,05
Ethylesters of Fatty Acids	COI/T.20/Doc. 28/Rev.4 - 2024	mg/kg	<LoQ	≤ 35
Fatty Acid Composition	COI/T.20/DOC. 33/Rev. 1 – 2017	%	-	-
C14:0 (Myristic)			0,02	≤ 0,03
C16:0 (Palmitic)			11,98	7,00-20,00
C16:1 (Palmitoleic)			0,87	0,30-3,50
C17:0 (Heptadecanoic)			0,05	≤ 0,40
C17:1 (Heptadecenoic)			0,08	≤ 0,60
C18:0 (Stearic)			2,73	0,50-5,00
C18:1 (Oleic) (ω9)			76,74	55,00-85,00
C18:2 (Linoleic) (ω6)			5,81	2,50-21,00
C18:3 (Linolenic) (ω3)			0,80	≤ 1,00
C20:0 (Arachidic)			0,46	≤ 0,60
C20:1 (Eicosenoic)			0,28	≤ 0,50
C22:0 (Behenic)			0,14	≤ 0,20
C22:1 (Erucic) (ω9)			<0,01	-
C24:0 (Lignoceric)			0,04	≤ 0,20
trans C18:1			0,01	≤ 0,05
trans C18:2 + trans C18:3			0,02	≤ 0,05
Sterols	COI/T.20/Doc.no.26/ Rev.5/2020	mg/kgr	1177	≥ 1000

[α] Method outside the scope of accreditation.

The above results concern only the sample we examined.

n.d. - not detected.
[1]Limits according to: Reg.EU 2104/2022 as in force today,

ESYD
Tests certification no.632-5

multichrom.LAB
Expertise in Olive Oil Testing since 1993
Registration number: 7833701000

International Olive Council
Recognized laboratory
physico-chemical testing - Type B
01/12/2025 – 30/11/2026

Sfakion str. 50, 12131 Peristeri - Athens Greece, tel. +30 2105910620, e-mail: info@multichromlab.com

CERTIFICATE OF ANALYSIS no: P-129414

Date of issue: 9/12/2025

CUSTOMER: SAKELLAROPOULOS ORGANIC FARMS
PHONE :
MULTICHROM.LAB CODE No : P-129414
Date of analysis (from): 5/12/2025
COMMODITY ACCORDING TO CUSTOMER: EXTRA VIRGIN OLIVE OIL - ORGANIC
(to): 9/12/2025
RECEIVING DATE: 5/12/2025
SAMPLE CONDITION: NORMAL
SEALS: None
SAMPLING BY: CUSTOMER
DATA: FYLLIKON First Harvest Organic

RESULTS

Determination	Method	Unit	Result	Limit[1]
Cholesterol		%	0,3	≤ 0,5
Brasicasterol		%	<0,1	≤ 0,1
24-methylcholesterol		%	0,3	-
Campesterol (Campes.)		%	4,5**	≤ 4,0
Campestanol		%	0,1	-
Stigmasterol		%	0,9	< Campes.
d7-campestanol		%	0,0	-
d5,23stigm/dienol		%	0,0	-
Clerosterol		%	1,1	-
B-sitosterol		%	83,1	-
Sitostanol		%	0,4	-
d5-avenasterol		%	7,8	-
d5,24-stigm/dienol		%	0,8	-
d7-stigmastenol		%	0,3	≤ 0,5
d7-avenasterol		%	0,4	-
Erythrodiol		%	3,6	-
Uvaol		%	0,3	-
Erythrodiol+uvaol		%	3,9	≤ 4,5
Total b-sitosterol		%	93,2	≥ 93,0
Waxes (C42+C44+C46)	COI/T.20/Doc. No 28/Rev. 4/ 2024	mg/kgr	27	≤ 150

****campesterol may be above 4.0 and ≤4.5 if stigmasterol ≤1.4% and d-7stigmastenol ≤ 0.3%.**

Dimitrios Salivaras
Laboratory Supervisor

Emmanuel Salivaras, M.Sc.
Laboratory General Manager

[α] Method outside the scope of accreditation.

The above results concern only the sample we examined.

n.d. - not detected.
[1]Limits according to: Reg.EU 2104/2022 as in force today,

ESYD
Tests certification no.632-5

World Olive Center for Health
76 Imittou St. 5th floor
11634, Pagkrati, Athens
Tel: 2107525134
info@worldolivecenter.com

Athens: **08/01/2026**

Cert. Num: **C2526-00571**

CERTIFICATE OF ANALYSIS

Brand Name: FYLLIKON First Harvest Organic
Owner: SAKELLAROPOULOS ORGANIC FARMS
Variety: KORONEIKI
Origin: SPARTA, LACONIA, GREECE
Harvesting Period:
Oil Mill:

Analysis Date: 24/12/2025

Production Date:

Chemical Analysis

Oleocanthal	226	mg/Kg
Oleacein	165	mg/Kg
Oleocanthal+Oleacein (index D1)	390	mg/Kg
Ligstroside aglycon (monoaldehyde form)	293	mg/Kg
Oleuropein aglycon (monoaldehyde form)	433	mg/Kg
Ligstroside aglycon (dialdehyde form)*	530	mg/Kg
Oleuropein aglycon (dialdehyde form)**	168	mg/Kg
Free Tyrosol	10	mg/Kg
Total tyrosol derivatives	1,059	mg/Kg
Total hydroxytyrosol derivatives	766	mg/Kg
Total polyphenols analyzed	1,825	mg/Kg

Comments:

The levels of oleocanthal and oleacein are higher than the average values (135 and 105 mg/Kg respectively) of the samples included in the international study performed at the University of California, Davis.
The daily consumption of 20 g of the analyzed olive oil provides 36,49mg of hydroxytyrosol, tyrosol or their derivatives.
Olive oils that contain >5 mg per 20 gr belong to the category of oils that protect the blood lipids from oxidative stress according to the Regulation 432/2012 of the European Union.
It should be noted that oleocanthal and oleacein present important biological activity and they have been related with anti-inflammatory, antioxidant, cardioprotective and neuroprotective activity.
The chemical analysis was performed at the National and Kapodistrian University of Athens according to the method that has been submitted to EFET and published in J. Agric. Food Chem. 2012, 60, 11696, J. Agric. Food Chem. 2014, 62, 600 & Molecules 2020, 25, 2449.
The results relate to the analyzed sample.
*Ligstrodial+Oleokoronal **Oleomissional+Oleuropeindial

Magiatis Prokopios

PROKOPIOS MAGIATIS
ASSOCIATE PROFESSOR
UNIVERSITY OF ATHENS
FACULTY OF PHARMACY
DEPARTMENT OF PHARMACOGNOSY
AND NATURAL PRODUCTS CHEMISTRY

Biolab

ΠΙΣΤΟΠΟΙΗΤΙΚΟ ΔΟΚΙΜΗΣ / CERTIFICATE OF ANALYSIS

No: 122661

SAMPLE ID FROM: 462647 TO: 462647

ΕΠΩΝΥΜΙΑ ΠΕΛΑΤΗ / **NAME OF CUSTOMER** : **ΒΙΟΛΟΓΙΚΟΙ ΕΛΑΙΩΝΕΣ ΣΑΚΕΛΛΑΡΟΠΟΥΛΟΥ/Sakellaropoulos Organic Farms**

ΔΙΕΥΘΥΝΣΗ / **ADDRESS**:ΣΚΟΥΡΑ, 23100, ΣΠΑΡΤΗ/SKOURA 23100,SPARTA

ΤΗΛ / **TEL:**2731081118 **EMAIL:**geosakel@gmail.com ΚΙΝΗΤΟ / **MOBILE:**6932309909

ΔΕΙΓΜΑΤΟΛΗΨΙΑ ΑΠΟ / **SAMPLING FROM** : ΠΕΛΑΤΗ / CUSTOMER ΚΑΤΑΣΤΑΣΗ ΔΕΙΓΜΑΤΟΣ / **STATE OF SAMPLE** : ΚΑΝΟΝΙΚΗ / REGULAR

ΗΜΕΡΟΜΗΝΙΑ ΔΕΙΓΜΑΤΟΛΗΨΙΑΣ / **DATE OF SAMPLING**	ΗΜΕΡΟΜΗΝΙΑ ΠΑΡΑΛΑΒΗΣ / **DATE OF RECEIPT**	ΗΜΕΡΟΜΗΝΙΑ ΕΝΑΡΞΗΣ ΑΝΑΛΥΣΗΣ / **DATE OF TESTING**	ΗΜΕΡΟΜΗΝΙΑ ΟΛΟΚΛΗΡΩΣΗΣ ΑΝΑΛΥΣΗΣ / **ANALYSIS DATE**
: 2025-12-05	:2025-12-05	: 2025-12-05	: 2025-12-09

ΕΡΓΑΣΤΗΡΙΑ /**LABS** : ΙΟΑΝΝΙΝΑ

ΕΙΔΟΣ ΔΕΙΓΜΑΤΟΣ / **KIND OF SAMPLE** : Εξαιρετικό παρθένο ελαιόλαδο / Extra Virgin Olive Oil

ΚΩΔΙΚΟΣ / **SAMPLE ID**: 462647

ΑΡΙΘΜΟΣ ΠΑΡΤΙΔΑΣ / **BATCH NUMBER**: Φυλλικόν Πρωτέλαιο Βιολογικό/ Fyllikon First Harvest Organic

ANALYSES	INSTRUMENT	METHODS	RESULT	(see note)	UNIT
Pesticides Table I	LC MSMS	LCMSMS	< LOQ except of table I	**0,01**	mg/kg
Pesticides Table II	GCMSMS	GCMSMS	< LOQ except of table II	**0,01**	mg/kg

Note : LOD= 0,003 mg/Kg , LOQ = 0,01mg/kg

Total Number of Substances Quantified :	0
Approved substances :	OK
The sample according to the substances that were tested and MRL is :	**~~Acceptable~~**

Η Biolab δεν φέρει καμία ευθύνη για τα παραπάνω επιτρεπόμενα όρια που προέρχονται από το συγκεκριμένο ιστοχώρο της Ε.Ε. - The BIOLAB laboratories assumes no responsibility for the above MRL derived from the website E.U.

ATHENS: AIGALEO, MAKRIS 36, PC: 12241,TEL: 2110018100, ARTA: AGIOU ARTEMIOU 1 , PC: 47132, TEL: 2681021150
PATRA : AGIOU IOANNI PRATSIKA 45 ,PC: 26333 , TEL: 2610310505, info@biolab.com.gr, biolab4@biolab.gr
IOANNINA: 7th KM IOANNINON ATHINON, PC: 45500, TEL: 2651057878, biolab@biolab.gr, www.biolab.com.gr

TABLE I, II , III

ACTIVE SUBSTANCE	RESULT [mg/kg]	MRL**: [mg/kg] (europa.eu)	Percentage of MRL [%]	ARfD* [mg/kg per body weight] (europa.eu)	Percentage of ARfD [%]	ARfD intake [mg/kg]	result expressed as
Sum of Percentages							

*Acceptable Daily Intake (ADI)
*Acute Reference Dose (ARfD)
ADI/ARfD according to http://www.efsa.europe.eu
** Methods and MRL according to Regulation (EC) 396/2005, http://ec.europa.eu/sanco-pesticides .

ATHENS: AIGALEO, MAKRIS 36, PC: 12241,TEL: 2110018100, ARTA: AGIOU ARTEMIOU 1 , PC: 47132, TEL: 2681021150
PATRA : AGIOU IOANNI PRATSIKA 45 ,PC: 26333 , TEL: 2610310505, info@biolab.com.gr, biolab4@biolab.gr
IOANNINA: 7th KM IOANNINON ATHINON, PC: 45500, TEL: 2651057878, biolab@biolab.gr, www.biolab.com.gr

TOTAL SUBSTANCES

TABLE 1- LCMSMS

Acetamiprid, Ametoctradin, Ametryn, Aminocarb, Amitraz, Anilofos, Aspon, Azaconazole, Azamethiphos, Azoxystrobin, Beflubutamid, Benalaxyl, Bensulfuron Methyl, Bensulide, Benthiavalicarb-isopropyl, Brodifacoum, Bromucanozole Isomer, Bupirimate, Buprofezin, Buturon, Carbendazim, Carbofuran, Carbosulfan, Carboxin, Carfentrazone-ethyl, Chlorfluazuron, Chloridazon, Chlorotoluron, Chloroxuron, Clethodim, Climbazole, Clodinafop-Propargyl, Clomazone, Crufomate, Cycluron, Cyflumetofen, Demeton-S-methyl sulfoxide, Diafenthiuron, Diclobutrazol, Diclosulam, Dicrotophos, Difenacoum, Difenoconazole Isomer, Diflubenzuron, Dimethachlor, Dimethenamid, Dimethirimol, Dimethomorph Isomer, Ditalimfos, Diuron, Edifenphos, Emamectin-benzoate, Epoxiconazole, Etaconazole Isomer, Ethiprole, Ethirimol, Ethoprophos, Etoxazole, Famphur, Fenamidone, Fenamiphos Sulfone, Fenamiphos sulfoxide, Fenazaquin, Fenbuconazole, Fenfuram, Fenoxycarb, Fenpropidin, Fenpropimorph, Fenpyrazamine, Fenpyroximate, Fensulfothion, Fenthion oxon sulfoxide, Fenthion Sulfoxide, Fenthion-oxon, Fenuron, Fipronil, Fipronil-desulfinyl, Fipronil-Sulfone, Fluazinam, Flubendiamide, Fludioxinil, Flufenoxuron, Fluometuron, Fluopicolide, Fluopyram, Fluoxastrobin, Flurprimidol, Flurtamone, Flusilazole, Flutolanil, Flutriafol, Fluxapyroxad, Forchlorfenuron, Formetanate HCl, Fosthiazate, Fuberidazole, Furalaxyl, Furathiocarb, Griseofulvin, Haloxyfop-methylESTER, Hexaconazole, Hexaflumuron, Hydramethylnon, Imazalil, Imibenconazole, Imidacloprid, Ipconazole Isomer, Isofenphos-methyl, Isoproturon, Isopyrazam, Isoxathion, Linuron, Lufenuron, Mefenacet, Mepanipyrim, Mepronil, mesosulfuron methyl, Metaflumizone, Metalaxyl M, Metalaxyl, Metconazole, Methabenzthiazuron, Methabenzthiazuron, Methoprotryne, Methoxyfenozide, Metobromuron, Metosulam, Metoxuron, Metsulfuron-Methyl, Mexacarbate, Molinate, Monceren) Pencycuron, Monolinuron, Monuron, Myclobutanil, Norflurazon, Novaluron, Nuarimol, Omethoate, Oxadixyl, Paclobutrazol, Paraoxon, Penconazole, Penflufen, Penoxsulam, Penthiopyrad, Phosphamidon, Picolinafen, Picoxystrobin, Pinoxaden, Piperophos, Pirimicarb Desmethyl, Pirimicarb, Prometon, Prometryne, Propamocarb, Propaquizafop, Propiconazole Isomer, Proquinazid, Prosulfocarb, Pymetrozine, Pyracarbolid, Pyraclostrobin, Pyridalyl, Pyridaphenthion, Pyrifenox, Pyrimethanil, Pyriminobac-methyl(E), Pyriofenone, Pyriproxyfen, Pyroxsulam, Quinoxyfen, Sebuthylazine, Secbumeton, Sedaxane, Siduron, Silthiofam, Simazine, Simeconazole, Simetryn, Spinetoram, Spirotetramat, Spiroxamine Isomer, Sulfotep, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebutam, Tebuthiuron, Teflubenzuron, Temephos, Tepraloxydim, Terbumeton, Terbutryn, Thiacloprid, Thidiazuron, Thifensulfuron-methyl, Thiobencarb, Thiophanate-methyl, Tolfenpyrad, Tralkoxydim, Triadimefon, Triazamate, Tricyclazole, Trifloxystrobin, Triflumuron, Triflusulfuron-methyl, Triticonazole, Zoxamide

ATHENS: AIGALEO, MAKRIS 36, PC: 12241,TEL: 2110018100, ARTA: AGIOU ARTEMIOU 1 , PC: 47132, TEL: 2681021150
PATRA : AGIOU IOANNI PRATSIKA 45 ,PC: 26333 , TEL: 2610310505, info@biolab.com.gr, biolab4@biolab.gr
IOANNINA: 7th KM IOANNINON ATHINON, PC: 45500, TEL: 2651057878, biolab@biolab.gr, www.biolab.com.gr

TABLE 2- GCMSMS

2-phenylphenol, bhc-a.acetochlor, acrinathrin, alachlor-b, anthraquinone, atrazine, azinphos_methyl, azoxystrobin*, b-bhc, benfluralin, bifenthrin, boscalid*, bromfenvinphos, bromfenvinphos_methyl, bromophos_ethyl, bromophos_methyl, bromopropylate, bupirimate, carbophenonthion, carfentrazone_ethy, chlorantraniliprole*, chlorbenside, chlordane_cis, chlordane_trans, chlorfenson, chlorfenvinphos, chlorfenvinphos, chlorobenzilate, chlorpropham, chlorpyriphos, chlorpyriphos-methyl, chlorthal_dimethyl, chlorthiophos, clomazone, coumaphos, Cycloate, Cyfluthrin, Cymiazol*, Cypermethrin, cyproconazole*, cyprodinil, d-bhc, ddd-2, 4, ddd-4, 4, dde-2, 4, dde-4, 4, ddt-2, 4, ddt-4, 4, deltamethrin, dichlofluanid, dichloran, dichlorobenzophenone-4, 4, dieldrin, difenoconazole*, dimethachlor, diphenamid, diphenylamine, dodemorph*, edifenphos, endosulfan_1, endosulfan_ether, endosulfan_sulfate, epn, esfenvalerate*, ethalfluralin, ethion, ethylan, etofenprox, fenarimol, fenchlorphos, fenitrothion, fenpropathrin, fenson, fenthion, fenvalerate-1, fenvalerate-2, fipronil, fipronilsulfone*, fipronildesulfinyl*, fluazifop-p-butyl, fluchloralin, flucythrinate-1, flucythrinate-2, fludioxonil, fluquinconazole, fluridone, flusilazole, flutolanil, flutriafol, fonofos, g-bhc, heptachlor_epoxide, heptachlor, hexazinone, indoxacarb*, iodofenphos, iprodione, isodrin, isopropalin, l-cyhalothrin, lenacil, leptophos, malathion, metazachlor, methoxychlor, methoxychlor_olefin-4, 4, metolachlor, mevinphos, mgk_264-1, mgk_264-2, mirex, myclobutanil, n, 2, 4-dimethylphenyl_formamide, nitralin, nitrofen, nonachlor_cis, nonachlor_trans, norflurazon, oxadiazon, oxyfluorfen, paclobutrazol, parathion, parathionmethyl, penconazole, pentachloroaniline, pentachlorobenzonitrile, pentachlorothioanisole, permethrin_cis, permethrin_trans, phenonthrin, phosalone, phosmet, piperonyl_butoxide, pirimiphos_ethyl, pirimicarb*pirimiphos_methyl, pretilachlor, procymidone, prodiamine, propachlor, propanil, propargite, propiconazole*, propisochlor, propyzamide, pyrazophos, pyridaben, pyridafenthion, pyriproxyfen, quinalphos, quintozene, resmethrin, spiromesifen*, sulfotep, sulprophos, tau-fluvalinate, tebuconazole, tebufenpyrad, tefluthrin, terbacil, terbufos, terbuthylazine, tetrachlorvinphos, tetraconazole*, tetradifon, tetramethrin, tolclofos_methyl, tolylfluanid, transfluthrin, triadimefon, triadimenol, triallate, triazophos, trifloxystrobin*, triflumizole, trifluralin, triticonazole*, vinclozolin

*substances of tables are not accredited

FINAL APPROVAL

ΜΠΑΡΔΑ ΕΛΙΝΑ - Mrs Barda Elina

ΟΙ ΑΝΑΛΥΤΕΣ
THE ANALYSTS

Tzimas Sotiris Biolab GEN. DIRECTOR

G.D. - ΣΩΤΗΡΗΣ ΤΖΙΜΑΣ - Mr Tzimas Sotiris
Γενικός Διευθυντής

ΕΓΚΡΙΣΗ ΑΠΟ
APPROVED BY

2025-12-09

END OF CERTIFICATE 122661

ATHENS: AIGALEO, MAKRIS 36, PC: 12241,TEL: 2110018100, ARTA: AGIOU ARTEMIOU 1 , PC: 47132, TEL: 2681021150
PATRA : AGIOU IOANNI PRATSIKA 45 ,PC: 26333 , TEL: 2610310505, info@biolab.com.gr, biolab4@biolab.gr
IOANNINA: 7th KM IOANNINON ATHINON, PC: 45500, TEL: 2651057878, biolab@biolab.gr, www.biolab.com.gr