

TEST REPORT

Testing
No. of Certificate 489

CLIENT DETAILS
ΓΙΩΡΓΙΟΥ ΓΕΩΡΓΙΟΣ ΜΑΝΩΛΙΚΑΚΗ ΑΝΑΣΤΑΣΙΑ ΟΕ
ΚΕΡΚΥΡΑΣ, 85104, ΚΡΕΜΑΣΤΗ, ΕΛΛΑΔΑ.
For the attention of: *ΑΝΑΣΤΑΣΙΑ Μ ΟΕ*
SAMPLE DETAILS

Code : **5115-GR01072556-24** Order No : **195766**
Category : **Fats & Oils**
Description : **HOLISTON OLIVE OIL SAMPLE**

Certificate No. : **5115-GR01072556-24-02**
Issue No. : **4**
Date Received : **23/12/2024**
Start of Analysis : **23/12/2024**
End of Analysis : **7/1/2025**
SAMPLING PROCESS DETAILS

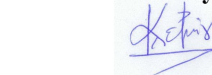
Sampled by : *Πελάτης (Client)*
Condition : *Αποδεκτή (Acceptable)*
Packaging : *Περίεκτης (container) > 100g*
Preservation : *Ψυγείο (Refrigerator)*

RESULTS

Parameters of Analysis	Result	Units	DL	Method	Remark
mineral oil saturated hydrocarbons (MOSH)	<DL	mg/Kg	1	GC-FID	2
mineral oil aromatic hydrocarbons (MOAH)	<DL	mg/Kg	0.5	GC-FID	2
alpha tocopherol (Vitamin E)	21.6	mg/100ml	0.1	HPLC	2
ORGANOLEPTIC ASSESMENT					
Median of fruity (Mf)	5.1		-	EEC Reg. 2568/91	2
Median of Bitter (Mb)	5.4		-	EEC Reg. 2568/91	2
Median of pungent (Mp)	4.8		-	EEC Reg. 2568/91	2
Median of defect (Md)	0		-	EEC Reg. 2568/91	2
Myristic acid (C14:0)	<DL	% of total fat	0.02	International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID)	
Palmitic acid (C16:0)	13.4	% of total fat	0.05	International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID)	
Palmitoleic acid (C16:1)	0.88	% of total fat	0.05	International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID)	
cis-10-Heptadecenoic acid (C17:1)	0.05	% of total fat	0.02	International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID)	
Heptadecanoic acid (C17:0)	0.07	% of total fat	0.05	International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID)	
Stearic acid (C18:0)	3.0	% of total fat	0.05	International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID)	

Lab Director

G. Siragakis, Chemist MSc

Athens Laboratory Supervisor

Kostas Alexiou, Food Chemist

Technical Manager

Dr. G. E. Miliadis, Chemist

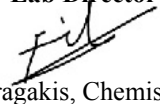
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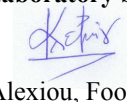
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Oleic acid (C18:1)	72.4	% of total fat	0.05	International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID)	
Linoleic acid (LA) (C18:2)	8.49	% of total fat	0.05	International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID)	
Arachidic acid (C20:0)	0.54	% of total fat	0.05	International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID)	
Linolenic acid (ALA C18:3)	0.72	% of total fat	0.05	International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID)	
Eicosenoic acid (Gadoleic, C20:1)	0.31	% of total fat	0.05	International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID)	
Behenic acid (C22:0)	<DL	% of total fat	0.05	International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID)	
Erucic acid (C22:1)	<DL	% of total fat	0.05	International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID)	
Lignoceric acid (C24:0)	<DL	% of total fat	0.05	International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID)	
Oleic acid (trans Oleic-C18:1t)	0.02	% of total fat	0.02	International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID)	
trans Linoleic acid (C18:2T)	0.02	% of total fat	0.02	International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID)	
trans Linolenic(C18:3T) acid	<DL	% of total fat	0.02	International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID)	
Stigmastadienes	0.02	mg/Kg	0.01	EEC Reg. 2568/91	1
squalene	3612	mg/Kg	0.1	EEC Reg. 2568/91	2
waxes (C42-C44-C46)	40.5	mg/Kg	10	SPE	2
STEROLS PROFILE					1
Cholesterol	0.1	%sterol content	0.1	IOOC	1
Brassicasterol	<0.1	%sterol content	0.01	IOOC	1
24-meth-Cholesterol	0.1	%sterol content	0.01	IOOC	1
Campesterol	2.9	%sterol content	0.01	IOOC	1

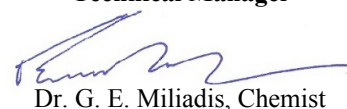
Lab Director


G. Siragakis, Chemist MSc

Athens Laboratory Supervisor


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Technical Manager


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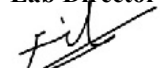
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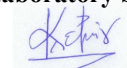
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Campestanol	0.1	%sterol content	0.01	IOOC	1
Stigmasterol	0.9	%sterol content	0.01	IOOC	1
Δ^7 -Campestanol	<DL	%sterol content	0.01	IOOC	1
$\Delta^5,23$ -Stigmastadienol	<DL	%sterol content	0.01	IOOC	1
Clerosterol	1.2	%sterol content	0.01	IOOC	1
β -Sitosterol	88.4	%sterol content	0.01	IOOC	1
Sitostanol	0.5	%sterol content	0.01	IOOC	1
Δ^5 -Avenasterol	4.4	%sterol content	0.01	IOOC	1
$\Delta^5,24$ -Stigmastadienol	0.5	%sterol content	0.01	IOOC	1
Δ^7 -Stigmastenol	0.4	%sterol content	0.01	IOOC	1
Δ^7 -Avenasterol	0.4	%sterol content	0.01	IOOC	1
Sum of Erythrodiol & Uvaol	1.5	%sterol content	0.01	IOOC	1
β -Sitosterol mix	95.0	%sterol content	0.01	IOOC	1
Total Sterols content	1333	mg/Kg	0.01	IOOC	1
Peroxide Value	10.2	mEq O2/kg	0.31	internal method (O 1023A), based on American Oil Chemists' Society, Official method Cd 8-53, 2009	
Acidity	0.30	% (w/w)	0.04	O 1014A In house method based on American Oil Chemists Society, Official method Ca 5a-40, 1997	
Special Absorption Coefficient (ΔK)	-0.004	-	-	EEC Reg. 2568/91	
Absorption Coefficient for $\lambda=232\text{nm}$ (K 232)	2.36	-	-	EEC Reg. 2568/91	
Absorption Coefficient for $\lambda=270\text{nm}$ (K 270)	0.206	-	-	EEC Reg. 2568/91	

1: test performed by collaborating laboratory, out of its accreditation scope. 2: out of the accreditation scope.

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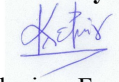
This olive oil sample is classified in the category extra virgin olive oil and meets the necessary requirements of the European Union (REG 2012/432) for a health claim regarding unsaturated fatty acids and vitamin E.

Lab Director



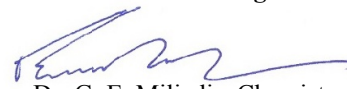
G. Siragakis, Chemist MSc

Athens Laboratory Supervisor



Kostas Alexiou, Food Chemist

Technical Manager



Dr. G. E. Miliadis, Chemist

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ΚΕΡΚΥΡΑΣ, 85104, ΚΡΕΜΑΣΤΗ, ΕΛΛΑΔΑ.
For the attention of: *ΑΝΑΣΤΑΣΙΑ Μ ΟΕ*

SAMPLE DETAILS

Code : **5115-GR01072556-24** Order No : **195766**
Category : **Fats & Oils**
Description : **HOLISTON OLIVE OIL SAMPLE**

Certificate No. : **5115-GR01072556-24-04**
Issue No. : **4**
Date Received : **23/12/2024**
Start of Analysis : **23/12/2024**
End of Analysis : **7/1/2025**

SAMPLING PROCESS DETAILS

Sampled by : *Πελάτης (Client)*
Condition : *Αποδεκτή (Acceptable)*
Packaging : *Περίεκτης (container) > 100g*
Preservation : *Ψυγείο (Refrigerator)*

RESULTS

Parameters of Analysis	Result	Units	DL	Method	Remark
Residue Analysis of 410 substances for plant-protection products					
Table 1	-	mg/Kg		LC-MS/MS O 1007A	

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TABLE 1 (Πίνακας 1) Method: LC-MS/MS, (Μέθοδος: LC-MS/MS) LOD: Limit of Detection (Όριο Ανίχνευσης) = 0,01mg/kg
Compounds (Ουσίες) set LC6-FATS:

*abamectin, acephate, acetamiprid, acetochlor, alachlor, aldicarb total (aldicarb & aldicarb sulfoxide & aldicarb sulfone), ametryn, *amitraz, *asulam, atrazine, azinphos ethyl, azinphos methyl, azoxystrobin, benalaxyl, *benfuracarb, *bensulfuron methyl, benzoxyamate, bifenox, boscalid, bromacil, bromophos ethyl, bromuconazole, bupirimate, buprofezin, caduzafos, carbaryl, *carbendazim (&benomyl), carbofuran total (carbofuran & 3-hydroxy carbofuran), *carbosulfan, carboxin, chlorbromuron, chlorfenvinfos, chloridazone, chloroxuron, chlorpyrifos ethyl, chlorpyrifos methyl, *chlorsulfuron, chlortoluron, cinerin I, cinerin II, clethodim, clodinafop propargyl, clofentezin, clothianidin, coumaphos, cyanazine, cyanofenphos, cymoxanil, cyproconazole, *cyprodinil, demeton S methyl sulfone, *diafenthiuron, diazinon, dichlofenthion, dichlorvos, dicrotophos, diethofencarb, difenoconazole, diflubenzuron, diflufenican, dimethoate, dimethomorph, dimoxystrobin, diniconazole, dinitramine, diphenamide, ditalimfos, diuron, *dodemorph, *emamectin-benzoate B1a, emamectin-benzoate B1b, epoxiconazole, etaconazole, ethion, *ethirimol, ethofumesate, ethoprophos, *etofenprox, etoxazole, famoxadone, fenamidone, fenamiphos total (fenamiphos & fenamiphos sulfone & fenamiphos sulfoxide), fenarimol, *fenazaquin, fenbuconazole, fenhexamide, fenoxycarb, fenpiclonil, fenpropidin, fenpropathrin, *fenpropimorph, fenpyroximate, fensulfothion, fenthion, fenthion oxon, fenthion oxon sulfoxide, fenthion sulfone, fenthion sulfoxide, *florasulam, fluazifop-P-butyl, flufenacet, flufenoxuron, fluometuron, fluopicolide, fluquinconazole, flusilazole, flutolanil, flutriafol, fonofos, *foramsulfuron, forchlorfenuron, formetanate, fosthiazate, furathiocarb, haloxyfop methyl ester, heptenophos, hexaconazole, *hexythiazox, imazalil, imazamethabenz methyl, imibenconazole, imidacloprid, indoxacarb, iprovalicarb, isazophos, isophenphos methyl, isoprothiolane, isoproturon, jasmolin I, jasmolin II, kresoxyl methyl, linuron, lufenuron, malathion total (malathion & malaaxon), mecarbam, mepanipyrim, *mesosulfuron methyl, metalaxyl M, metamitron, metazachlor, metconazole, methabenzthiazuron, methacrifos, methamidophos, methidathion, methiocarb total (methiocarb & methiocarb sulfone & methiocarb sulfoxide), methomyl, methoxyfenozide, metobromuron, metolachlor S, metoxuron, metribuzin, *metsulfuron methyl, mevinphos cis, mevinphos trans, monocrotophos, monolinuron, myclobutanil, napropamid, *nicosulfuron, nitenpyram, nuarimol, omethoate, oxadiazon, oxadixyl, oxamyl, paclobutrazol, paraoxon methyl, penconazole, pencycuron, pendimethalin, phenothoate, phosalone, phosmet, phosphamidon, phoxim, picolinafen, picoxystrobin, piperonyl butoxide, pirimicarb, pirimicarb desmethyl, pirimiphos ethyl, pirimiphos methyl, *primisulfuron methyl, prochloraz, profenofos, prometryn, propachlor, *propamocarb, propargite, propazine, propetamphos, propham, propiconazole, propoxur, *prothiofos, pymetrozine, pyraclostrobin, pyrazophos, pyrethrin I, pyrethrin II, *pyridaben, pyridafenthion, pyrifenoxy, pyrimethanil, *pyriproxyfen, quinalphos, *quinoxifen, *rimsulfuron, sethoxydim, simazine, spinosad total (spinosyn A & spinosyn D), *spiroxamine, tebuconazole, tebufenozide, tebufenpyrad, temephos, terbufos, terbufos sulfone, terbuthylazine, terbutryn, tetrachlorvinphos, tetraconazole, *thiabentazone, thiadiazol, thiamethoxam, thiobencarb, *thiodicarb, *thiophensulfuron methyl, tolclorfen methyl, *tralkoxydim, triadimefon, triadimenol, *triasulfuron, triazophos, tricyclazole, trifloxystrobin, triflumizole, uniconazole, vamidothion, zoxamide.

*Compounds with one asterisk are not included in our accreditation scope (Οι ουσίες με ένα ασκέρικο δε συμπεριλαμβάνονται στο πεδίο διαπίστευσης μας). Πακέτο LC-6-fats, Έκδοση: 22-11-2024.

Compounds (Ουσίες) set LC8-FATS:

Alanycarb, Ametocradin, Amicarbazone, Aminocarb, Ancymidol, Anilofos, Aramite, Aspon, Azaconazole, Azamethiphos, Aziprotryn, Barban, Belfludbutamid, Benodanil, Benoxacarb, Bensulid, Benthialicarb, Benzovindiflupyr, Benzoylprop ethyl, Benzthiazuron, Bifenazate, *Bispyribac, *Brodifacoum, Bromfenvinfos, Bromobutide, Butafebacil, Butamifos, Buturon, Carbetamide, Chlorantraniliprol, Chlorfluazuron, Chlortoluron, Chlorthiophos, Cinidol ethyl, Climbazole, Clomazone, Crotoxyphos, Crufomate, Cyazofamid, Cycloxdim, *Cyflumetofen, Demeton-S-methyl sulfoxide, Dialifos, Diclobutrazol, Diclosulam, *Difenacum, Dimetofuron, Dimethachlor, Dimethenamid, *Dimethirimol, Dioxacarb, Drazoxolon, Edifenphos, Ethiofencarb Sulfone, Ethiofencarb Sulfoxide, Ethiprol, Etobenzanid, Fenfuram, Fenoxanil, Fenpyrazamine, Fenuron, Flamprop isopropyl, Flamprop methyl, Flonicamid, Fluazuron, Flubendiamide, Fuberidazole, Flumioxazine, Fluopyram, Fluoxastrobin, Fluprimidol, Fluridone, Fluoroglycofen ethyl, Flurtamone, Fluthiacet methyl, Fluxapyroxad, Forchlorfenuron, *Furmecyclox, Griceofulvin, Halfenprox, *Halosulfuron methyl, Hexathiazone, *Imazapic, Imazapyr, *Imazaquin, *Imazethapyr, Imibenconazole, Indaziflam, Ipconazole, Isofenphos, Isoprocarb, Isopyrazam, Isoxadifen ethyl, *Isoxaflutol, Isoxathion, Lenacil, Mandipropamid, Mefenacet, Mefenpyr diethyl, Mepronil, Metaflumizone, Methoprotrene, Metolcarb, *Metosulam, Metrafenone, Molinate, Monuron, Neburon, Norflurazone, Ofurace, Oxycarboxin, Paraaxon, Penflufen, *Penoxsulam, Penthiopyrad, Picaridin, *Pinoxaden, Piperophos, Profoxydim Lithium, Promecarb, Prometon, Propanil, Propaquizalofop, *Propoxyfencarb, Proquinazid, Prosulfocarb, Pyracarbolid, Pyridalyl, Pyridaphenthion, Pyriminobac methyl, Pyriofenone, *Pyroxsulam, Quinoclamine, *Sebutylazine, Sedaxane, Sithiofam, Simeconazole, Simetryn, Spinetoram J, Spinetoram L, Sulfotep, Sulfentrazone, Sulfoxaflor, Tebutam, Teflubenzuron, Tepaloxylid, Terbumeton, Thidiazuron, *Thiethylsulfuron methyl, Thiofanox sulfone, Thiofanox sulfoxide, Tolfenpyrad, Triazamate, *Tribenuron methyl, *Trifloxysulfuron, *Triflusulfuron methyl, Trimethacarb2-3-5, Triticonazole, Warfarin.

* Compounds with one asterisk are not included in our accreditation scope (Οι ουσίες με ένα ασκέρικο δεν συμπεριλαμβάνονται στο πεδίο διαπίστευσης μας).

Πακέτο LC8-fats, Έκδοση: 22-11-2024

Η προσβαση στα όρια νομοθεσίας (MRL) γίνεται από τον ιστοχώρο της Ευρωπαϊκής Ένωσης (Pesticides EU-MRLs Database)

<http://ec.europa.eu/food/plant/pesticides/eu-pesticides-database/public/?event=homepage&language=EL>

Access to legislation limits (MRL) is from the website of the European Union (Pesticides EU-MRLs Database) <http://ec.europa.eu/food/plant/pesticides/eu-pesticides-database/public/?event=homepage&language=EN>

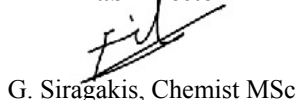
Residue Analysis for 65 substances of plant-protection products

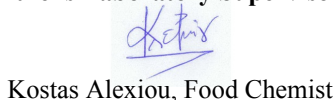
Table 2	-	mg/Kg	GC-MS/MS
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Lab Director

Athens Laboratory Supervisor

Technical Manager


G. Siragakis, Chemist MSc


Kostas Alexiou, Food Chemist


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**TEST REPORT**Testing
No. of Certificate 489*Continuing from previous page*

TABLE 2 (Πίνακας 2) Method: GC-MS/MS, (Μέθοδος: GC-MS/MS) LOD: Limit of Detection (Όριο Ανίχνευσης) = 0.01 mg/kg

acrinathrin, aldrin, bifenthrin, bromopropylate, chlorfenapyr, chlorobenzilate, chlorpropham, chlorpyrifos ethyl, chlorthal dimethyl (DCPA), coumaphos, cyfluthrin total, cyhalothrin lambda, cypermethrin total, DDD-op, DDD-pp, DDE-pp, DDT-op, DDT-pp, deltamethrin, diclofop methyl, dicofol-pp, dicofol-op, dieldrin, diphenylamine, disulfoton, endosulfan total (endosulfan alpha, endosulfan beta & endosulfan sulfate), endrin, ethalfluralin, fenchlorphos, fenpropathrin, fenson, fenvalerate, fluchloralin, flucythrinate, fludioxonil, fluvalinate-tau, formothion, HCH-a, HCH-b, heptachlor, heptachlor epoxide-cis, *hexachlorobenzene (HCB), isodrin, isopropalin, lindane, methoxychlor, parathion ethyl, pentachloroaniline, *pentachlorobenzene, permethrin, phorate, phosmet, procymidone, profluralin, propyzamide, quintozone, tecnazene, tefluthrin, tetradifon, trifluralin, vinclozolin.

Πακέτο GCMSMS-2. Έκδοση: 18-10-24.

Η προσβαση στα όρια νομοθεσίας (MRL) γίνεται από τον ιστοχώρο της Ευρωπαϊκής Ένωσης (Pesticides EU-MRLs Database)

<http://ec.europa.eu/food/plant/pesticides/eu-pesticides-database/public/?event=homepage&language=EL>Access to legislation limits (MRL) is from the website of the European Union (Pesticides EU-MRLs Database) <http://ec.europa.eu/food/plant/pesticides/eu-pesticides-database/public/?event=homepage&language=EN>

2: out of the accreditation scope.

Lab Director
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Kostas Alexiou, Food Chemist**Technical Manager**
Dr. G. E. Miliadis, Chemist