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

Athens: **04/11/2026**

Cert. Num: **C2627-70202**

CERTIFICATE OF ANALYSIS

Brand Name: MONOVARIETAL 1

Analysis Date: 26/10/2026

Owner: ANDROULAKIS EFTYCHIOS IOANNIS

Variety:

Origin:

Harvesting Period:

Production Date:

Oil Mill:

Chemical Analysis

Oleocanthal	1,148	mg/Kg
Oleacein	214	mg/Kg
Oleocanthal+Oleacein (index D1)	1,363	mg/Kg
Ligstroside aglycon (monoaldehyde form)	88	mg/Kg
Oleuropein aglycon (monoaldehyde form)	44	mg/Kg
Ligstroside aglycon (dialdehyde form)*	449	mg/Kg
Oleuropein aglycon (dialdehyde form)**	65	mg/Kg
Free Tyrosol	<5	mg/Kg
Total tyrosol derivatives	1,685	mg/Kg
Total hydroxytyrosol derivatives	323	mg/Kg
Total polyphenols analyzed	2,008	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 40,17mg 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
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UNIVERSITY OF ATHENS
FACULTY OF PHARMACY
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physico-chemical testing - Type B
01/12/2025 – 30/11/2026

George Vasilakis str. 143 and Diomede, 71410 Herakleion, Crete Greece, tel. +30 2810260736 e-mail: labcrete@multichromlab.com

CERTIFICATE OF ANALYSIS no:H-19517

Date of issue:27/10/2026

CUSTOMER:ANDROULAKIS EFTYCHIOS
PHONE :6974069589
MULTICHROM.LAB CODE No :H-19517
Date of analysis (from):27/10/2026
COMMODITY ACCORDING TO CUSTOMER:EXTRA VIRGIN OLIVE OIL
(to): 27/10/2026
RECEIVING DATE:27/10/2026
SAMPLE CONDITION:NORMAL
SEALS: None
SAMPLING BY:CUSTOMER
DATA:PAMACO MONOVARIETAL

RESULTS

Determination	LoD	LoQ	M eth od	Unit	Result	Limit[1]
Free fatty acid content (as oleic acid)			COI/T.20/DOC. 34/Rev. 1 – 2017	%	0,20	≤ 0,80
K Coefficients			COI/T.20/DOC.19/Rev.5/2019	-	-	-
K268				-	0 ,11 1	≤ 0,22
K232				-	1 ,36 2	≤ 2,50
DK				-	-0,004	≤ 0,01
Mineral Oil Hydrocarbons (MOSH/MOAH)*			Internal[α]	mg/kg	-	-
MOSH (C10-C16)		1			<1	-
MOSH (C17-C24)		1			1,2	-
MOSH (C25-C35)		1			5,1	-
MOSH (C36-C50)		1			1,6	-
MOSH (Sum C10-C50)		1			7,9	-
MOAH (C10-C16)		1			<1	-
MOAH (C17-C35)		1			<1	-
MOAH (C36-C50)		1			<1	-
MOAH (Sum C10-C50)		1			1,0	-
Pesticide Residues by GC/MS-MS			MΔ10 Εσωτερική GC / MS-MS	mg/kg	-	-
Acetamiprid	0,003	0,01		mg/kg	n.d.	-
Aclonifen	0,003	0,01		mg/kg	n.d.	-
Acrinathrin	0,003	0,01		mg/kg	n.d.	-
Alachlor	0,003	0,01		mg/kg	n.d.	-
Aldrin	0,003	0,01		mg/kg	n.d.	-
Azaconazole	0,003	0,01		mg/kg	n.d.	-
Azinphos-ethyl	0,003	0,01		mg/kg	n.d.	-
Azinphos-methyl	0,003	0,01		mg/kg	n.d.	-
Azoxystrobin[d]	0,003	0,01		mg/kg	n.d.	-
Benalaxyl	0,003	0,01		mg/kg	n.d.	-
Benfluralin	0,003	0,01		mg/kg	n.d.	-
Benfuracarb[d]	0,003	0,01		mg/kg	n.d.	-
Bifenthrin	0,003	0,01		mg/kg	n.d.	-

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SAMPLING BY:CUSTOMER
DATA:PAMACO MONOVARIETAL

RESULTS

Determination	LoD	LoQ	M eth od	Unit	Result	Limit[1]
Biphenyl (diphenyl)	0,006	0,01		mg/kg	n.d.	-
Bitertanol	0,003	0,01		mg/kg	n.d.	-
Boscalid[d]	0,003	0,01		mg/kg	n.d.	-
Bromacil	0,003	0,01		mg/kg	n.d.	-
Bromophos-ethyl	0,003	0,01		mg/kg	n.d.	-
Bromophos-methyl	0,003	0,01		mg/kg	n.d.	-
Bromopropylate	0,003	0,01		mg/kg	n.d.	-
Buprofezin	0,003	0,01		mg/kg	n.d.	-
Butafenacil	0,003	0,01		mg/kg	n.d.	-
Carbaryl	0,003	0,01		mg/kg	n.d.	-
Carbosulfan[d]	0,003	0,01		mg/kg	n.d.	-
Chlordane cis[d]	0,003	0,01		mg/kg	n.d.	-
Chlordane trans[d]	0,003	0,01		mg/kg	n.d.	-
Chl orfe napyr	0,003	0,01		mg/kg	n.d.	-
Chlorfenson (Ovex)	0,003	0,01		mg/kg	n.d.	-
Chlorobenzilate	0,003	0,01		mg/kg	n.d.	-
Chloroneb	0,003	0,01		mg/kg	n.d.	-
Chlorothalonil	0,006	0,01		mg/kg	n.d.	-
Chlorpropham	0,003	0,01		mg/kg	n.d.	-
Chlorpyrifos (ethyl)	0,003	0,01		mg/kg	n.d.	-
Chlorpyrifos-methyl	0,003	0,01		mg/kg	n.d.	-
Chl orth al-dim et hyl	0,003	0,01		mg/kg	n.d.	-
Chl ozoli nate	0,003	0,01		mg/kg	n.d.	-
Clo ma zone	0,003	0,01		mg/kg	n.d.	-
Cloquintocet-mexyl	0,003	0,01		mg/kg	n.d.	-
Cyanophos	0,003	0,01		mg/kg	n.d.	-
Cyfluthrin (sum of isomers)	0,003	0,01		mg/kg	n.d.	-
Cyhalothrin - lambda	0,003	0,01		mg/kg	n.d.	-
Cypermethrin (sum of isomers)	0,003	0,01		mg/kg	n.d.	-
Cyproconazole	0,003	0,01		mg/kg	n.d.	-
2,4-DDT	0,003	0,01		mg/kg	n.d.	-
4,4-DDD	0,003	0,01		mg/kg	n.d.	-
4,4-DDE	0,003	0,01		mg/kg	n.d.	-

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SEALS: None
SAMPLING BY:CUSTOMER
DATA:PAMACO MONOVARIETAL

RESULTS

Determination	LoD	LoQ	M eth od	Unit	Result	Limit[1]
4,4-DDT	0,003	0,01		mg/kg	n.d.	-
Del tam et hrin	0,003	0,01		mg/kg	n.d.	-
Diazinon	0,003	0,01		mg/kg	n.d.	-
Dichlobenil	0,003	0,01		mg/kg	n.d.	-
Dic hl ofe nth ion 4,4-	0,003	0,01		mg/kg	n.d.	-
Dichlorobenzophenone Dic	0,003	0,01		mg/kg	n.d.	-
hl orvos	0,003	0,01		mg/kg	n.d.	-
Diclobutrazol	0,003	0,01		mg/kg	n.d.	-
Dic hl o ra n	0,003	0,01		mg/kg	n.d.	-
Dieldrin	0,003	0,01		mg/kg	n.d.	-
Difenoconazole	0,003	0,01		mg/kg	n.d.	-
Diflufenican	0,003	0,01		mg/kg	n.d.	-
Dim et hen am id	0,003	0,01		mg/kg	n.d.	-
Dim et hoa te	0,003	0,01		mg/kg	n.d.	-
Diniconazole	0,003	0,01		mg/kg	n.d.	-
Diphenamid Diphenylamine	0,003	0,01		mg/kg	n.d.	-
Endosulfan sulfate	0,003	0,01		mg/kg	n.d.	-
Endos ul fan -alpha	0,003	0,01		mg/kg	n.d.	-
Endosulfan-beta	0,003	0,01		mg/kg	n.d.	-
Endrin	0,003	0,01		mg/kg	n.d.	-
EPN	0,003	0,01		mg/kg	n.d.	-
Epoxiconazole	0,003	0,01		mg/kg	n.d.	-
EPTC	0,003	0,01		mg/kg	n.d.	-
Eta co n a zol	0,003	0,01		mg/kg	n.d.	-
Ethalfluralin	0,003	0,01		mg/kg	n.d.	-
Ethion	0,003	0,01		mg/kg	n.d.	-
Eth ofu me sa te	0,003	0,01		mg/kg	n.d.	-
Ethoxyquin	0,003	0,01		mg/kg	n.d.	-
Etofenprox	0,003	0,01		mg/kg	n.d.	-
Etridiazole	0,003	0,01		mg/kg	n.d.	-
Famoxadone	0,003	0,01		mg/kg	n.d.	-
Famphur	0,003	0,01		mg/kg	n.d.	-
	0,003	0,01		mg/kg	n.d.	-

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(to): 27/10/2026
RECEIVING DATE:27/10/2026
SAMPLE CONDITION:NORMAL
SEALS: None
SAMPLING BY:CUSTOMER
DATA:PAMACO MONOVARIETAL

RESULTS

Determination	LoD	LoQ	M eth od	Unit	Result	Limit[1]
Fenamidone	0,003	0,01		mg/kg	n.d.	-
Fenarimol	0,003	0,01		mg/kg	n.d.	-
Fenazaquin	0,003	0,01		mg/kg	n.d.	-
Fenchlorphos	0,003	0,01		mg/kg	n.d.	-
Fenchlorphos-oxon	0,003	0,01		mg/kg	n.d.	-
Fenitrothion	0,003	0,01		mg/kg	n.d.	-
Fenoxycarb	0,003	0,01		mg/kg	n.d.	-
Fe npropa thri n	0,003	0,01		mg/kg	n.d.	-
Fenpropimorph	0,003	0,01		mg/kg	n.d.	-
Fenson	0,003	0,01		mg/kg	n.d.	-
Fenthion	0,003	0,01		mg/kg	n.d.	-
Fenthion sulfone	0,003	0,01		mg/kg	n.d.	-
Fenthion sulfoxide	0,003	0,01		mg/kg	n.d.	-
Fenvalerate (sum of isomers)	0,003	0,01		mg/kg	n.d.	-
Flonicamid	0,003	0,01		mg/kg	n.d.	-
Fluazifop-P-butyl[d]	0,003	0,01		mg/kg	n.d.	-
Fluchloralin	0,003	0,01		mg/kg	n.d.	-
Flucythrinate (sum of isomers)	0,003	0,01		mg/kg	n.d.	-
Fludioxonil[d]	0,003	0,01		mg/kg	n.d.	-
Flumioxazine	0,003	0,01		mg/kg	n.d.	-
Flupyradifurone[d]	0,003	0,01		mg/kg	n.d.	-
Fl uquin co nazol e	0,003	0,01		mg/kg	n.d.	-
Flutriafol	0,003	0,01		mg/kg	n.d.	-
Fluvalinate (sum of isomers)	0,003	0,01		mg/kg	n.d.	-
Fonofos (dyfonate)	0,003	0,01		mg/kg	n.d.	-
Fo rmo thi on	0,003	0,01		mg/kg	n.d.	-
HCH-alpha	0,003	0,01		mg/kg	n.d.	-
HCH-beta	0,003	0,01		mg/kg	n.d.	-
HCH-delta	0,003	0,01		mg/kg	n.d.	-
HCH-gamma (Lindane)	0,003	0,01		mg/kg	n.d.	-
Hep tac hl or	0,003	0,01		mg/kg	n.d.	-
Heptachl. epoxide endo	0,003	0,01		mg/kg	n.d.	-
Heptachl. epoxide exo	0,003	0,01		mg/kg	n.d.	-

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DATA:PAMACO MONOVARIETAL

RESULTS

Determination	LoD	LoQ	M eth od	Unit	Result	Limit[1]
Hexachlorobenzene	0,003	0,01		mg/kg	n.d.	-
Imazalil	0,006	0,01		mg/kg	n.d.	-
Ibrobenphos	0,003	0,01		mg/kg	n.d.	-
Iprodione	0,003	0,01		mg/kg	n.d.	-
Is oc arb ofo s	0,003	0,01		mg/kg	n.d.	-
Is od ri n	0,003	0,01		mg/kg	n.d.	-
Isofenphos	0,003	0,01		mg/kg	n.d.	-
Isofenphos-methyl	0,003	0,01		mg/kg	n.d.	-
Kresoxim-methyl[d]	0,003	0,01		mg/kg	n.d.	-
Iodofenphos	0,003	0,01		mg/kg	n.d.	-
Leptophos	0,003	0,01		mg/kg	n.d.	-
Malaoxon	0,003	0,01		mg/kg	n.d.	-
Malathion	0,003	0,01		mg/kg	n.d.	-
Mefenpyr-diethyl	0,003	0,01		mg/kg	n.d.	-
Metalaxyl-M[d]	0,003	0,01		mg/kg	n.d.	-
Metazachlor	0,003	0,01		mg/kg	n.d.	-
Methacriphos	0,003	0,01		mg/kg	n.d.	-
Methidathion	0,003	0,01		mg/kg	n.d.	-
Methomyl	0,003	0,01		mg/kg	n.d.	-
Methoprotryne	0,003	0,01		mg/kg	n.d.	-
Methoxychlor	0,003	0,01		mg/kg	n.d.	-
Metolachlor	0,003	0,01		mg/kg	n.d.	-
Metribuzin	0,003	0,01		mg/kg	n.d.	-
Mevinphos	0,003	0,01		mg/kg	n.d.	-
Myclobutanil	0,003	0,01		mg/kg	n.d.	-
Nit ra li n	0,003	0,01		mg/kg	n.d.	-
Nitrapyrin	0,003	0,01		mg/kg	n.d.	-
Nitrofen	0,003	0,01		mg/kg	n.d.	-
Nitrothal-isopropyl	0,003	0,01		mg/kg	n.d.	-
Norf l ura zo n	0,003	0,01		mg/kg	n.d.	-
o-Phenylphenol	0,003	0,01		mg/kg	n.d.	-
Oxadiazon	0,003	0,01		mg/kg	n.d.	-
Oxyfluorfen	0,003	0,01		mg/kg	n.d.	-

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RESULTS

Determination	LoD	LoQ	M eth od	Unit	Result	Limit[1]
Paraoxon-m et hyl	0,006	0,01		mg/kg	n.d.	-
Parathion	0,003	0,01		mg/kg	n.d.	-
Parathion-methyl	0,003	0,01		mg/kg	n.d.	-
Pebul ate	0,003	0,01		mg/kg	n.d.	-
Pencycuron	0,003	0,01		mg/kg	n.d.	-
Pendi me tha lin	0,003	0,01		mg/kg	n.d.	-
Pentachloroaniline	0,003	0,01		mg/kg	n.d.	-
Pentachloranisole	0,003	0,01		mg/kg	n.d.	-
Permethrin (sum of isomers)	0,003	0,01		mg/kg	n.d.	-
Perthane	0,003	0,01		mg/kg	n.d.	-
Phenthoate	0,003	0,01		mg/kg	n.d.	-
Phorate	0,003	0,01		mg/kg	n.d.	-
Phosalone	0,003	0,01		mg/kg	n.d.	-
Phosmet	0,003	0,01		mg/kg	n.d.	-
Piperonyl butoxide	0,003	0,01		mg/kg	n.d.	-
Pirimicarb	0,003	0,01		mg/kg	n.d.	-
Pirimiphos-methyl	0,003	0,01		mg/kg	n.d.	-
Procymidone	0,003	0,01		mg/kg	n.d.	-
Profluralin	0,003	0,01		mg/kg	n.d.	-
Propanil	0,003	0,01		mg/kg	n.d.	-
Proparg ite	0,003	0,01		mg/kg	n.d.	-
Propazine	0,003	0,01		mg/kg	n.d.	-
Propetamphos	0,003	0,01		mg/kg	n.d.	-
Propham	0,003	0,01		mg/kg	n.d.	-
Propiconazole	0,003	0,01		mg/kg	n.d.	-
Propyzamide	0,003	0,01		mg/kg	n.d.	-
Prosulfocarb	0,003	0,01		mg/kg	n.d.	-
Prothiofos	0,003	0,01		mg/kg	n.d.	-
Pyraclostrobin	0,003	0,01		mg/kg	n.d.	-
Pyraflufen-ethyl[d]	0,003	0,01		mg/kg	n.d.	-
Pyridaphenthion	0,003	0,01		mg/kg	n.d.	-
Pyrifenox	0,003	0,01		mg/kg	n.d.	-
Pyriproxyfen	0,003	0,01		mg/kg	n.d.	-

[a] Method outside the scope of accreditation.[d] Compound outside the scope of accreditation. [m] From Multichrom Lab Peristeri with accreditation.

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Decision rule for conformity of a result with limits: see www.multichromlab.com.
[1]Limits according to: Reg.EU 2104/2022 as in force today,

ESYD
certification no.1449

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Expertise in Olive Oil Testing since 1993
Registration number: 1824310270

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

George Vasilakis str. 143 and Diomede, 71410 Herakleion, Crete Greece, tel. +30 2810260736 e-mail: labcrete@multichromlab.com

CERTIFICATE OF ANALYSIS no:H-19517

Date of issue:27/10/2026

CUSTOMER:ANDROULAKIS EFTYCHIOS
PHONE :6974069589
MULTICHROM.LAB CODE No :H-19517
Date of analysis (from):27/10/2026
COMMODITY ACCORDING TO CUSTOMER:EXTRA VIRGIN OLIVE OIL
(to): 27/10/2026
RECEIVING DATE:27/10/2026
SAMPLE CONDITION:NORMAL
SEALS: None
SAMPLING BY:CUSTOMER
DATA:PAMACO MONOVARIETAL

RESULTS

Determination	LoD	LoQ	M eth od	Unit	Result	Limit[1]
Quinoxyfen	0,003	0,01		mg/kg	n.d.	-
Quintozene	0,003	0,01		mg/kg	n.d.	-
S 421	0,003	0,01		mg/kg	n.d.	-
Spiromesifen	0,003	0,01		mg/kg	n.d.	-
Tebuc on azole	0,003	0,01		mg/kg	n.d.	-
Tecnazene	0,003	0,01		mg/kg	n.d.	-
Tefluthrin	0,003	0,01		mg/kg	n.d.	-
Terbacil	0,003	0,01		mg/kg	n.d.	-
Terbuthylazine	0,003	0,01		mg/kg	n.d.	-
Tetradifon	0,003	0,01		mg/kg	n.d.	-
Tetramethrin	0,003	0,01		mg/kg	n.d.	-
Tetrasul	0,006	0,01		mg/kg	n.d.	-
Thiabendazole	0,003	0,01		mg/kg	n.d.	-
Thiac lo prid[d]	0,003	0,01		mg/kg	n.d.	-
Tolclofos-methyl	0,003	0,01		mg/kg	n.d.	-
Transfluthrin	0,003	0,01		mg/kg	n.d.	-
Tri a di me fon	0,003	0,01		mg/kg	n.d.	-
Tri-allate	0,003	0,01		mg/kg	n.d.	-
Triazophos[d]	0,003	0,01		mg/kg	n.d.	-
Trichloronate	0,003	0,01		mg/kg	n.d.	-
Trifloxystrobin	0,003	0,01		mg/kg	n.d.	-
Trifluralin	0,003	0,01		mg/kg	n.d.	-
Vinclozolin	0,003	0,01		mg/kg	n.d.	-
Pesticide Residues by LC/MS-MS			Εσωτερική LC / MS-MS (Limit of Quantitation LoQ: 0,01mg/kg /per isomer[α]	mg/kg	Υπόλοιπα n.d.*	-
Cyantraniliprole		0,01		mg/kg	n.d.	-
Phthalates & Adipates Esters			ΜΔ-11 Εσωτερική (GC/MS)[m]	mg / kg		-
DEA (Diethyl adipate)	0,2	0,5			n.d.	-
DMP (Dimethyl phthalate)	0,2	0,5			n.d.	-
DIBA (Diisobutyl adipate)	0,2	0,5			n.d.	-

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CERTIFICATE OF ANALYSIS no: H-19517

Date of issue: 27/10/2026

CUSTOMER: ANDROULAKIS EFTYCHIOS
PHONE : 6974069589
MULTICHROM.LAB CODE No : H-19517
Date of analysis (from): 27/10/2026
COMMODITY ACCORDING TO CUSTOMER: EXTRA VIRGIN OLIVE OIL
(to): 27/10/2026
RECEIVING DATE: 27/10/2026
SAMPLE CONDITION: NORMAL
SEALS: None
SAMPLING BY: CUSTOMER
DATA: PAMACO MONOVARIETAL

RESULTS

Determination	LoD	LoQ	M eth od	Unit	Result	Limit[1]
DEP (Phthalic acid, bis-ethyl ester)	0,2	0,5			n.d.	-
DBA (Adipic acid, bis-n-butyl ester)	0,2	0,5			n.d.	-
DIBP (Phthalic acid, bis-isobutyl ester)	0,2	0,5			n.d.	-
DBP (Dibutyl phthalate)	0,2	0,5			n.d.	-
DEHA (Bis(2-ethylhexyl) adipate)	0,2	0,5			<LoQ	-
BBP (Pthalic acid, benzylbutul ester)	0,2	0,5			n.d.	-
DEHP (Bis(2-ethylhexyl) phthalate)	0,2	0,5			n.d.	-
DINCH (1,2-Cyclohexane dicarboxylic acid diisononyl ester)	0,4	1,25			n.d.	-
DEHT (Bis(2-ethylhexyl) terephthalate)	0,2	0,5			n.d.	-
DNOP (Phthalic acid, bis-n-octyl ester)	0,2	0,5			n.d.	-
DINP (Phthalic acid, bis-7-methyloctyl ester)[d]	0,2	0,5			n.d.	-

***LIST OF PESTICIDE RESIDUES CHECKED BY LC/MS-MS IS ATTACHED IN A SEPARATE FILE.**

Dimitrios Salivaras
Laboratory Director

Emmanuel Fafoutakis
Laboratory Supervisor

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Pamako

Awards
2026



London IOOC 2026 Pamako Monovarietal Gold Award



Amsterdam NIOOC 2026 Monovarietal Gold Award



London IOOC 2026 Pamako Blend Gold Award



Athena IOOC 2026 Monovarietal Double Gold



Athena IOOC 2026 Monovarietal Best Organic EVOO in Greece Special Award

Athena IOOC 2026 Blend Gold Award





Cretan Olive Oil Competition Monovarietal Gold Award 2026

Cretan Olive Oil Competition Honorary Dinstinction Blend 2026





Anatolian IOOC 2026 Monovarietal Gold Award



Cretan Olive Oil Competition Packaging Innovation Gold Award 2026

Anatolian IOOC 2026 Blend Gold Award





Olympia High Phenolic 2026 Monovarietal Gold Award

Olympia High Phenolic 2026 Blend Gold Award





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