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## **TEST REPORT**

CLIENT DETAILS

THE DIAMOND CHEF LLC

9075 WEST NICOLET AVENUE, GLENDALE, AZ 85305-1616, USA. For the attention of: DIAMANTIS ORFANOS

SAMPLE DETAILS

Code : **3201-CY01013027-21** Order No : **113848** 

Category : Fats & Oils

Description : THE MARBLE KING - ORGANIC EXTRA VIRGIN

**OLIVE OIL** 

Certificate No. : **3201-CY01013027-21-02** 

Issue No. : 3

Date Received : 08/02/2025

Start of Analysis End of Analysis

Date of Report : 18/02/2025

SAMPLING PROCESS DETAILS

Sampled by : Πελάτης (Client)Condition : Αποδεκτή (Acceptable)Packaging : Περιέκτης (container) > 100g

Preservation : Ψυγείο (Refrigerator)

#### **RESULTS**

Parameters of Analysis	Result	Units	DL	Method	Remark
Energy	3389	Kj/100ml	-	Calculative (REG1169-2011)	
Energy	824	Kcal/100ml	-	Calculative (REG1169-2011)	
Fat	91.6	g/100ml	0.1	Soxhlet Inhouse Method	
Saturated Fats	11.7	g/100ml	0.1	GLC EEC Regulation 2568/91	
Mono-Unsaturated Fats	73.7	g/100ml	0.1	GLC EEC Regulation 2568/91	
Poly-Unsaturated Fats	6.2	g/100ml	0.1	GLC EEC Regulation 2568/91	
trans Fats	<dl< td=""><td>g/100ml</td><td>0.05</td><td>GLC EEC Regulation 2568/91</td><td></td></dl<>	g/100ml	0.05	GLC EEC Regulation 2568/91	
Carbohydrates (total)	0.0	g/100ml	0.1	CALCULATIVE	
Total Sugars	<dl< td=""><td>g/100ml</td><td>0.1</td><td>Enzymatic</td><td></td></dl<>	g/100ml	0.1	Enzymatic	
Total Dietary Fibre	<dl< td=""><td>g/100ml</td><td>0.1</td><td>AOAC 991.43</td><td></td></dl<>	g/100ml	0.1	AOAC 991.43	
Proteins	<dl< td=""><td>g/100ml</td><td>0.1</td><td>kjeldahl In house according to ISO/DIS 8968-2</td><td></td></dl<>	g/100ml	0.1	kjeldahl In house according to ISO/DIS 8968-2	
Sodium (Na)	<dl< td=""><td>mg/Kg</td><td>0.10</td><td>Internal, ICP-OES method based on CYS EN 16943: 2017 Method code: O 011</td><td></td></dl<>	mg/Kg	0.10	Internal, ICP-OES method based on CYS EN 16943: 2017 Method code: O 011	
Moisture	0	g/100ml	-	GREEK CODEX	
Potassium (K)	<dl< td=""><td>mg/Kg</td><td>0.10</td><td>ICP-OES CYS EN 16943:2017</td><td></td></dl<>	mg/Kg	0.10	ICP-OES CYS EN 16943:2017	
Vitamin D (Calciferol)	<dl< td=""><td>mg/100g</td><td>0.01</td><td>HPLC</td><td></td></dl<>	mg/100g	0.01	HPLC	

Lab Director

**Laboratory Supervisor** 

G. Siragakis, Chemist MSc

El. Xristodoulou, Food Technologistv



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## **TEST REPORT**

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Iron (Fe)	0.12	mg/Kg	0.01	ICP-OES CYS EN 16943:2017
Calcium (Ca)	<dl< td=""><td>mg/Kg</td><td>0.50</td><td>ICP-OES CYS EN 16943:2017</td></dl<>	mg/Kg	0.50	ICP-OES CYS EN 16943:2017

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## 100% ORGANIC EXTRA VIRGIN OLIVE OIL

<b>Nutrition</b>	Facts
Serving size	1tbsp (15ml)
Amount per serving Calories	120
	% D <b>V</b> *
Total Fat 14g	18%
Saturated Fat 2g	10%
Trans Fat 0g	
Polyunsaturated Fat 1g	
Monounsaturated Fat 11g	
Sodium 0mg	0%
Total Carbohydrate 0g	0%
Protein 0g	
Not a significant source of cholesterol, of sugars, added sugars, vitamin D, calcium *%DV = % Daily Value	

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CLIENT DETAILS

THE DIAMOND CHEF LLC

 $9075\;WEST\;NICOLET\;AVENUE,\;GLENDALE,\;AZ\;85305\text{-}1616,\;USA.$ 

For the attention of: DIAMANTIS ORFANOS

SAMPLE DETAILS

Code : **3201-CY01013027-21** Order No : **113848** 

Category : Fats & Oils

Description : THE MARBLE KING - ORGANIC EXTRA VIRGIN

**OLIVE OIL** 

Certificate No. : **3201-CY01013027-21-02** 

Issue No. : 3

Date Received : 08/02/2025

Start of Analysis End of Analysis

Date of Report : 18/02/2025

SAMPLING PROCESS DETAILS

 Sampled by
 : Πελάτης (Client)

 Condition
 : Αποδεκτή (Acceptable)

 Packaging
 : Περιέκτης (container) >100g

Preservation : Ψυγείο (Refrigerator)

#### Remarks

This sample was classified as 100% EXTRA VIRGIN OLIVE OIL, SUPERIOR QUALITY (ORGANIC)

G. Siragakis, Chemist MSc

**Laboratory Supervisor** 

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SAMPLING PROCESS DETAILS

Sampled by : Πελάτης (Client)Condition : Αποδεκτή (Acceptable)Packaging : Περιέκτης (container) > 100g

Preservation : Ψυγείο (Refrigerator)

#### **RESULTS**

Parameters of Analysis	Result	Units	DL	Method	Remark
Peroxide Value	12.2	mEq O2/kg	0.31	EEC Reg. 2568/91	
Acidity	0.30	% (w/w)	0.08	In house, based on στο American Oil Chemists Society, Official method Ca 5a-40, 1997 Method code O 002	
Special Absorption Coefficient (ΔK)	0.003	-	-	Internal method based on EEC Regulation 2568/91, Annex IX Method Code O 001	
Absorption Coefficient for λ=232nm (K 232)	1.891	-	-	Internal method based on EEC Regulation 2568/91, Annex IX Method Code O 001	
Absorption Coefficient for λ=270nm (K 270)	0.120	-	-	Internal method based on EEC Regulation 2568/91, Annex IX Method Code O 001	

Sampling is out of the accrediatation scope.

**Laboratory Supervisor** 

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Condition : Αποδεκτή (Acceptable)
Packaging : Περιέκτης (container) >100g

Preservation : Ψυγείο (Refrigerator)

#### **RESULTS**

Parameters of Analysis	Result	Units	DL	Method	Remark
Density	0.9159	gr/ml	0.1	GREEK CODEX	

Laboratory Supervisor

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Start of Analysis

End of Analysis :

Date of Report : 18/02/2025

SAMPLING PROCESS DETAILS

Sampled by  $: \Pi \epsilon \lambda \delta \tau \eta \varsigma \ (Client)$ Condition  $: A\pi \delta \delta \epsilon \kappa \tau \dot{\eta} \ (Acceptable)$ Packaging  $: \Pi \epsilon \rho \dot{\epsilon} \kappa \tau \eta \varsigma \ (container) > 100g$ 

Preservation : Ψυγείο (Refrigerator)

#### **RESULTS**

Parameters of Analysis	Result	Units	DL	Method	Remark	
ORGANOLEPTIC ASSESMENT						
Median of fruity (Mf)	3.1		-	EEC Reg. 2568/91		
Median of Bitter (Mb)	3.0		-	EEC Reg. 2568/91		
Median of pungent (Mp)	2.9		-	EEC Reg. 2568/91		
Median of defect (Md)	0		-	EEC Reg. 2568/91		

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THE DIAMOND CHEF LLC







Αφ. Πιστ. 489

### TEST REPORT

: 3201-CY01013027-21-04 Certificate No.

Issue No.

Date Received : 08/02/2025

Start of Analysis

End of Analysis

Date of Report : 18/02/2025

SAMPLE DETAILS

CLIENT DETAILS

: 3201-CY01013027-21 Code Order No 113848

9075 WEST NICOLET AVENUE, GLENDALE, AZ 85305-1616, USA.

Category **Fats & Oils** 

Description THE MARBLE KING - ORGANIC EXTRA VIRGIN

**OLIVE OIL** 

For the attention of: DIAMANTIS ORFANOS

#### SAMPLING PROCESS DETAILS

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

#### RESULTS

Parameters of Analysis	Result	Units	DL	Method	Remark		
Residue Analysis for 130 substances of plant-protection products							
Table 1	<lod< td=""><td>mg/Kg</td><td>0.01</td><td>GC-MS/MS</td><td></td></lod<>	mg/Kg	0.01	GC-MS/MS			

TABLE 1 (Πίνακας 1) Method: GC-MS/MS, (Μέθοδος: GC-MS/MS LOD: Limit of Detection (Όριο Ανίχνευσης) = 0.01 mg/kg

TABLE 1 (Πίνακας 1) Method: GG-Ms/Ms, (Μεθοοός: GG-Ms/Ms LOD: Limit of Detection (Opio Ανίχνευστίς) – υ.υ πίσγκα)
Acrinathrin, Alachlor, Aldrin, Amitraz, Azinphos –ethyl, Azoxystrobin, Benalaxyl, Bifenox, Bifenthrin, Bitertanol, Bromophos –ethyl, \*Bromopropylate, Buprofezin, Cadusafos, \*Chlorfenapyr, \*Chlorobenzilate, \*Chlorpopham, Chlorpyrifos ( –ethyl), Chlorpyrifos –methyl, \*Chlorthal –dimethyl (DCPA), Coumaphos, Cyanazine, Cyanofenphos, Cyfluthrin total, Cyhalothrin lambda, Cypermethrin total, Cyproconazole, Cyprodinil, DDD -op, DDD-pp, DDT-op, DDT-op, DDT-pp, Dettamethrin, Diazinon, Dichlofop methyl, Dicofol –op, Dicofol-pp, Dieldrin, Diflufenican, Diniconazole, \*Diphenylamine, \*Disulfoton, Dodemorph, Endosulfan total (alpha endosulfan, beta endosulfan & endosulfan sulfate), Endrin, Ethalfluralin, Ethion, Fenamiphos, \*Fenchlorfos, Fenpropathrin, Fenpropidin, \*Fenson, Fenthion, Fenvalerate, Fluchloralin, Flucythrinate, Fluquinconazole, Fluvalinate, \*Formothion, HCH –b, Astrobler, Hostobler, Provider, and Playachlorshop and the Manageria Legalin Isofan Ingentyl, Isographos, amethyl, Isographos, Isographo Heptachlor, Heptachlor epoxide -cis, Hexachlorobenzene (HCB), Hexaconazole, Imazalil, Isodrin, Isofenphos -methyl, Isopropalin, Kresoxim -methyl, Lindane, Lufenuron, Malathion, Methidathion, \*Methoxychlor, Metribuzin, Napropamide, Nuarimol, Oxadiazon, Paclobutrazole, Parathion -ethyl, Penconazole, Pendimethalin, Pentachloroaniline, Pentachlorobenzene (QCB), Permethrin, \*Phorate, Pirimiphos-ethyl, Pirimiphos-methyl, \*Procymidone, Profenofos, Profluralin, Propargite, Propiconazole, \*Propyzamide, Prothiofos, Pyraclostrobin, Pyrazophos, Pyridaben, Quinoxyfen, Quinoxyfe Spiroxamine, Tebuconazole, Tecnazene, Tefluthrin, Terbufos, Terbuthilazine, Tetrachlorvinphos, Tetraconazole, Tetradifon, Tetrasul, Triadimefon, Triadimenol, Triazophos, Trifluralin, Vinclozolin

Compounds not included in our accreditation scope (Οι ουσίες με ένα ασκερίσκο δεν συμπεριλαμβάνονται στο πεδίο διαπίστευσης μας), Πακέτο GCMSMS-1, Έκδοση: 28-05-20.

Η προσβαση στα όρια νομοθεσίας ( MRL ) γίνεται από τον ιστοχωρο 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-pesticidesdatabase/public/?event=homepage&language=EN

**Laboratory Supervisor** 

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## **TEST REPORT**

CLIENT DETAILS

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SAMPLE DETAILS

Code : **3201-CY01013027-21** Order No : **113848** 

Category : Fats & Oils

Description : THE MARBLE KING - ORGANIC EXTRA VIRGIN

**OLIVE OIL** 

Certificate No. : **3201-CY01013027-21-02** 

Issue No. : 3

Date Received : 08/02/2025

Start of Analysis

End of Analysis :

Date of Report : 18/02/2025

SAMPLING PROCESS DETAILS

Sampled by : Πελάτης (Client)Condition : Αποδεκτή (Acceptable)Packaging : Περιέκτης (container) > 100g

Preservation : Ψυγείο (Refrigerator)

#### **RESULTS**

Parameters of Analysis	Result	Units	DL	Method	Remark
STEROLS PROFILE					
Cholesterol	0.1	%sterol content	0.1	IOOC	
Brassicasterol	<dl< td=""><td>%sterol content</td><td>0.01</td><td>IOOC</td><td></td></dl<>	%sterol content	0.01	IOOC	
24-meth-Cholesterol	0.23	%sterol content	0.01	IOOC	
Campesterol	3.59	%sterol content	0.01	IOOC	
Campestanol	0.02	%sterol content	0.01	IOOC	
Stigmasterol	0.80	%sterol content	0.01	IOOC	
β-Sitosterol	84.28	%sterol content	0.01	IOOC	
Δ5-Avenasterol	8.76	%sterol content	0.01	IOOC	
Δ7-Stigmastenol	0.17	%sterol content	0.01	IOOC	
Δ7-Avenasterol	0.33	%sterol content	0.01	IOOC	
Sum of Erythrodiol & Uvaol	2.43	%sterol content	0.01	IOOC	
β-Sitosterol mix	94.77	%sterol content	0.01	IOOC	
Total Sterols content	1211	mg/Kg	0.01	IOOC	

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## **TEST REPORT**

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Diglycerides	73.5	%	1	ISO 29822	
Pyropheophytines	0.74	%	0.10	ISO 29841	
Oxidation Stability (Oxitest-Rancimat)	15.2	hours	0.1	AOCS Cd 12c-16 ( 100°C )	
Ethylesters	<dl< td=""><td>mg/Kg</td><td>5</td><td>reg EE 61/2011</td><td></td></dl<>	mg/Kg	5	reg EE 61/2011	

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SAMPLE DETAILS

Code : **3201-CY01013027-21** Order No : **113848** 

Category : Fats & Oils

Description : THE MARBLE KING - ORGANIC EXTRA VIRGIN

**OLIVE OIL** 

Certificate No. : **3201-CY01013027-21-07** 

Issue No. : 3

Date Received : 08/02/2025

Start of Analysis : End of Analysis :

Date of Report : 18/02/2025

SAMPLING PROCESS DETAILS

Sampled by : Πελάτης (Client)
Condition : Αποδεκτή (Acceptable)
Packaging : Περιέκτης (container) >100g

Preservation : Ψυγείο (Refrigerator)

#### **RESULTS**

Parameters of Analysis	Result	Units	DL	Method	Remark
Myristic acid (C14:0)	<dl< td=""><td>% of total fat</td><td>0.02</td><td>O 1016 GLC EEC Regulation 2568/91</td><td></td></dl<>	% of total fat	0.02	O 1016 GLC EEC Regulation 2568/91	
Palmitic acid (C16:0)	11.2	% of total fat	0.05	O 1016 GLC EEC Regulation 2568/91	
Palmitoleic acid (C16:1)	1.11	% of total fat	0.05	O 1016 GLC EEC Regulation 2568/91	
Stearic acid (C18:0)	1.55	% of total fat	0.05	O 1016 GLC EEC Regulation 2568/91	
Heptadecanoic acid (C17:0)	<dl< td=""><td>% of total fat</td><td>0.05</td><td>O 1016 GLC EEC Regulation 2568/91</td><td></td></dl<>	% of total fat	0.05	O 1016 GLC EEC Regulation 2568/91	
Oleic acid (C18:1)	79.4	% of total fat	0.05	O 1016 GLC EEC Regulation 2568/91	
α-Linoleic acid (C18:2)	6.10	% of total fat	0.05	O 1016 GLC EEC Regulation 2568/91	
Linolenic acid (C18:3)	0.61	% of total fat	0.05	O 1016 GLC EEC Regulation 2568/91	
Arachidic acid (C20:0)	<dl< td=""><td>% of total fat</td><td>0.05</td><td>O 1016 GLC EEC Regulation 2568/91</td><td></td></dl<>	% of total fat	0.05	O 1016 GLC EEC Regulation 2568/91	
Eicosenoic acid (Gadoleic, C20:1)	<dl< td=""><td>% of total fat</td><td>0.05</td><td>O 1016 GLC EEC Regulation 2568/91</td><td></td></dl<>	% of total fat	0.05	O 1016 GLC EEC Regulation 2568/91	
Behenic acid (C22:0)	<dl< td=""><td>% of total fat</td><td>0.05</td><td>O 1016 GLC EEC Regulation 2568/91</td><td></td></dl<>	% of total fat	0.05	O 1016 GLC EEC Regulation 2568/91	
Erucic acid (C22:1)	<dl< td=""><td>% of total fat</td><td>0.05</td><td>O 1016 GLC EEC Regulation 2568/91</td><td></td></dl<>	% of total fat	0.05	O 1016 GLC EEC Regulation 2568/91	
Lignoceric acid (C24:0)	0.1	% of total fat	0.05	O 1016 GLC EEC Regulation 2568/91	
cis-10-Heptadecenoic acid (C17:1)	<dl< td=""><td>% of total fat</td><td>0.05</td><td>O 1016 GLC EEC Regulation 2568/91</td><td></td></dl<>	% of total fat	0.05	O 1016 GLC EEC Regulation 2568/91	
Oleidic acid (trans Oleic-C18:1t)	<dl< td=""><td>% of total fat</td><td>0.02</td><td>O 1016 GLC EEC Regulation 2568/91</td><td></td></dl<>	% of total fat	0.02	O 1016 GLC EEC Regulation 2568/91	
trans Linoleic acid (C18:2T)	<dl< td=""><td>% of total fat</td><td>0.02</td><td>O 1016 GLC EEC Regulation 2568/91</td><td></td></dl<>	% of total fat	0.02	O 1016 GLC EEC Regulation 2568/91	
trant Linolenic(C18:3T) acid	<dl< td=""><td>% of total fat</td><td>0.02</td><td>O 1016 GLC EEC Regulation 2568/91</td><td></td></dl<>	% of total fat	0.02	O 1016 GLC EEC Regulation 2568/91	

Lab Director
G. Siragalist Chemist MSc

**Laboratory Supervisor** 

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**OLIVE OIL** 

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Issue No. : 3

Date Received : 08/02/2025

Start of Analysis

End of Analysis

Date of Report : 18/02/2025

SAMPLING PROCESS DETAILS

Sampled by  $: \Pi \epsilon \lambda \delta \tau \eta \varsigma \ (Client)$ Condition  $: A\pi \delta \delta \epsilon \kappa \tau \dot{\eta} \ (Acceptable)$ Packaging  $: \Pi \epsilon \rho \dot{\epsilon} \kappa \tau \eta \varsigma \ (container) > 100g$ 

Preservation : Ψυγείο (Refrigerator)

#### **RESULTS**

Parameters of Analysis	Result	Units	DL	Method	Remark
Total Polyphenols (as tyrosol)	307	mg/Kg	40	International Olive Council, COI/T.20/Doc No 29	
Hydroxy-tyrosol (3,4 DHPEA)	35	mg/Kg	3	International Olive Council, COI/T.20/Doc No 29	
Tyrosol (p, HPEA)	39	mg/Kg	3	International Olive Council, COI/T.20/Doc No 29	
Dialdehydic form of decarboxymethyl oleuropein aglycon (3,4 DHPEH-EDA)	10	mg/Kg	3	International Olive Council, COI/T.20/Doc No 29	
Dialdehydic form of decarboxymethyl ligstroside aglycon (p, HPEA-EDA)	11	mg/Kg	3	International Olive Council, COI/T.20/Doc No 29	
Lignans	110	mg/Kg	3	International Olive Council, COI/T.20/Doc No 29	
Oleuropein aglycon (3,4 DHPEA-EA)	12	mg/Kg	3	International Olive Council, COI/T.20/Doc No 29	
Ligstroside aglycon (p, HPEA-EA)	10	mg/Kg	3	International Olive Council, COI/T.20/Doc No 29	

Lab Director

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