

CERTIFICATE OF ANALYSIS: 21907

Personal Data		Sample Data	
Company:	KRETA FOOD LTD	Sample:	Aria Organic EVOO
First Name last Name:	Michalis Stratigakis	Sample Code:	21907
Address:	Galatas N. Kydonias 73100, Chania	Date of Receipt:	03/12/2024
Tel:	+302821033302	Date of Analysis:	04/12/2024
email:	info@kretafood.com	Condition of Sample:	Acceptable
		Sampling Responsible:	Client
		Description:	Sealed bottle No 268

Determination	Units	Result	Limit ¹	Method of Analysis
Acidity	% w/w oleic acid	0.33	M 0.8	COI/T.20/Doc. No 34
Absorbance in UV				
K ₂₇₀	-	0.171	M 0.22	COI/T.20/Doc. No 19
K ₂₃₂	-	1.821	M 2.50	COI/T.20/Doc. No 19
ΔK	-	-0.003	M 0.01	COI/T.20/Doc. No 19
Peroxide Value	meq O ₂ /kg	5.9	M 20	COI/T.20/Doc. No 35
Total phenolic compounds	mg/Kg	481	-	COI /T.20/Doc. No 29/Rev 2/METHOD 2*
Hydroxytyrosol	mg/Kg	2.2	-	COI /T.20/Doc. No 29/Rev 2/METHOD 2*
Tyrosol	mg/Kg	5.6	-	COI /T.20/Doc. No 29/Rev 2/METHOD 2*
Vanillic acid	mg/Kg	0.4	-	COI /T.20/Doc. No 29/Rev 2/METHOD 2*
Vanillin	mg/Kg	0.2	-	COI /T.20/Doc. No 29/Rev 2/METHOD 2*
p-Coumaric acid	mg/Kg	0.2	-	COI /T.20/Doc. No 29/Rev 2/METHOD 2*
Hydroxytyrosol acetate	mg/Kg	5.9	-	COI /T.20/Doc. No 29/Rev 2/METHOD 2*
Ferulic acid	mg/Kg	0.13	-	COI /T.20/Doc. No 29/Rev 2/METHOD 2*
DDOA ^a	mg/Kg	87.9	-	COI /T.20/Doc. No 29/Rev 2/METHOD 2*
Isomer of AOA ^c	mg/Kg	99.4	-	COI /T.20/Doc. No 29/Rev 2/METHOD 2*
DDLA ^b	mg/Kg	161.4	-	COI /T.20/Doc. No 29/Rev 2/METHOD 2*
Pinoresinol	mg/Kg	4.7	-	COI /T.20/Doc. No 29/Rev 2/METHOD 2*
Cinnamic acid + 1-Acetoxy-pinoresinol	mg/Kg	107.0	-	COI /T.20/Doc. No 29/Rev 2/METHOD 2*
Luteolin	mg/Kg	0.73	-	COI /T.20/Doc. No 29/Rev 2/METHOD 2*
AOA ^c	mg/Kg	148.3	-	COI /T.20/Doc. No 29/Rev 2/METHOD 2*
Apigenin	mg/Kg	0.06	-	COI /T.20/Doc. No 29/Rev 2/METHOD 2*
AOL ^d	mg/Kg	68.8	-	COI /T.20/Doc. No 29/Rev 2/METHOD 2*
Hydroxytyrosol, tyrosol and their derivatives^e	mg/20 gr	12.9	M ² 5.0	Efet: 1654/06.02.2018

¹ Analytical data within limits of E.U. regulations 2022/2104 & 2022/2105 for Extra Virgin Olive Oil as amended and valid.
(M: Maximum, m: minimum). ²EU Regulation 432/2012

^a:dialdehydic form decarboxymethyl oleuropein aglycon, ^bdialdehydic form decarboxymethyl ligstroside aglycon, ^c: aldehydic form oleuropein aglycon ^d: aldehydic form ligstroside aglycon. ^e Sum of Hydroxytyrosol, Tyrosol, Hydroxytyrosol acetate, DDOA, Isomer of AOA, DDLA, AOA, AOL.

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Date of Analysis: 04/12/2024
Condition of Sample: Acceptable
Sampling Responsible: Client
Description: Sealed bottle No 268

Determination	Result	Determination	Result	Determination	Result	Report limit
Pesticides Residues*		Pesticides Residues*		Pesticides Residues*		
Methamidophos	<R. L.	Pentachlorobenzonitrile	<R. L.	Chlorpyrifos ethyl	<R. L.	0.01 mg/Kg
Dichlorvos	<R. L.	Profluralin	<R. L.	4,4'-Dichlorobenzophenone	<R. L.	0.01 mg/Kg
Allidochlor	<R. L.	Pyrimethanil	<R. L.	Triadimefon	<R. L.	0.01 mg/Kg
Dichlorobenzil	<R. L.	Terbutylazine	<R. L.	Fenson	<R. L.	0.01 mg/Kg
Biphenyl	<R. L.	Diazinon	<R. L.	MGK 264	<R. L.	0.01 mg/Kg
3,4-dichloroaniline	<R. L.	Phosphamidon	<R. L.	Bromophos methyl	<R. L.	0.01 mg/Kg
Propham	<R. L.	Fluchloralin	<R. L.	Diphenamid	<R. L.	0.01 mg/Kg
Etridiazole	<R. L.	Delta-HCH	<R. L.	Isodrin	<R. L.	0.01 mg/Kg
Pebulate	<R. L.	Terbacil	<R. L.	Cyprodinil	<R. L.	0.01 mg/Kg
cis-1,2,3,6-tetrahydrophthalimide	<R. L.	Chlorothalonil	<R. L.	Pirimiphos ethyl	<R. L.	0.01 mg/Kg
Methacrifos	<R. L.	Tefluthrin	<R. L.	Isopropalin	<R. L.	0.01 mg/Kg
Chloroneb	<R. L.	Triallate	<R. L.	Heptachlor epoxide	<R. L.	0.01 mg/Kg
Pentachlorobenzene	<R. L.	Isazofos	<R. L.	Metazachlor	<R. L.	0.01 mg/Kg
omethoate	<R. L.	Endosulfan ether	<R. L.	Pendimethalin	<R. L.	0.01 mg/Kg
Tecnazene	<R. L.	Pentachloroaniline	<R. L.	Penconazol	<R. L.	0.01 mg/Kg
Propachlor	<R. L.	Propanil	<R. L.	Tolyfluanid	<R. L.	0.01 mg/Kg
diphenylamine	<R. L.	Dimethachlor	<R. L.	Captan	<R. L.	0.01 mg/Kg
2,3,5,6-tetrachloroaniline	<R. L.	Acetochlor	<R. L.	Bromfenvinphos methyl	<R. L.	0.01 mg/Kg
Ethoprophos	<R. L.	Chlorpyrifos methyl	<R. L.	Chlorfenvinphos	<R. L.	0.01 mg/Kg
Cycloate	<R. L.	Vinclozolin	<R. L.	Quinalphos	<R. L.	0.01 mg/Kg
Ethafluralin	<R. L.	Malaoxon	<R. L.	Folpet	<R. L.	0.01 mg/Kg
Dicrotophos	<R. L.	Tolclofos methyl	<R. L.	Bioallethrin	<R. L.	0.01 mg/Kg
Trifluralin	<R. L.	Heptachlor	<R. L.	Fipronil	<R. L.	0.01 mg/Kg
Benfluralin	<R. L.	Transfluthrin	<R. L.	Chlorbensid	<R. L.	0.01 mg/Kg
Sulfotep	<R. L.	Alachlor	<R. L.	Procymidone	<R. L.	0.01 mg/Kg
Diallate	<R. L.	Propisochlor	<R. L.	Triadimenol	<R. L.	0.01 mg/Kg
Alpha-HCH	<R. L.	paraoxon ethyl	<R. L.	trans-Chlordane	<R. L.	0.01 mg/Kg
Dimethoate	<R. L.	Fenchlorphos	<R. L.	Triflumizole	<R. L.	0.01 mg/Kg
Hexachlorobenzene	<R. L.	Fenitrothion	<R. L.	2,4'-DDE	<R. L.	0.01 mg/Kg
Dichloran	<R. L.	Methidathion	<R. L.	Bromophos ethyl	<R. L.	0.01 mg/Kg
Pentachloroanisole	<R. L.	Linuron	<R. L.	Paclobutrazol	<R. L.	0.01 mg/Kg
Atrazine	<R. L.	Pirimiphos methyl	<R. L.	Endosulfan-alpha	<R. L.	0.01 mg/Kg
Clomazon	<R. L.	Prodiamine	<R. L.	cis-Chlordane	<R. L.	0.01 mg/Kg
Beta-HCH	<R. L.	dichlorofluanid	<R. L.	Cis Tetrachlorvinphos	<R. L.	0.01 mg/Kg
Lindane	<R. L.	Anthraquinone	<R. L.	Trans Nonachlor	<R. L.	0.01 mg/Kg
Terbutylazine	<R. L.	Aldrin	<R. L.	Flutriafol	<R. L.	0.01 mg/Kg
Quintozene	<R. L.	Malathion	<R. L.	Chlorfenson	<R. L.	0.01 mg/Kg
Terbufos	<R. L.	Metolachlor-S	<R. L.	Fenamiphos	<R. L.	0.01 mg/Kg
Propyzamide	<R. L.	Fenthion	<R. L.	Iodofenphos	<R. L.	0.01 mg/Kg

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Date of Analysis: 04/12/2024
Condition of Sample: Acceptable
Sampling Responsible: Client
Description: Sealed bottle No 268

Determination	Result	Determination	Result	Determination	Result	Report limit
Pesticides Residues*		Pesticides Residues*		Pesticides Residues*		
Bromfenvinphos ethyl	<R. L.	Sulprophos	<R. L.	Pyriproxyfen	<R. L.	0.01 mg/Kg
Tricyclazole	<R. L.	Carbophenothion	<R. L.	Fenarimol	<R. L.	0.01 mg/Kg
Flutolanil	<R. L.	Edifenphos	<R. L.	Lambda-Cyhalothrin	<R. L.	0.01 mg/Kg
Prothiofos	<R. L.	Endosulfan total (sulfate)	<R. L.	Azinphos ethyl	<R. L.	0.01 mg/Kg
Profenofos	<R. L.	4,4'-Methoxychlor olefin	<R. L.	Pyrazophos	<R. L.	0.01 mg/Kg
Dieldrin	<R. L.	Lenacil	<R. L.	Pyraclofos	<R. L.	0.01 mg/Kg
Fludioxonil	<R. L.	norflurazon	<R. L.	Acrinathrin	<R. L.	0.01 mg/Kg
4,4'-DDE	<R. L.	4,4'-DDT	<R. L.	Trans Permethrine	<R. L.	0.01 mg/Kg
Pretilachlor	<R. L.	Trifloxystrobin	<R. L.	Pyridaben	<R. L.	0.01 mg/Kg
2,4'-DDD	<R. L.	Hexazinone	<R. L.	Cis Permethrine	<R. L.	0.01 mg/Kg
Oxadiazon	<R. L.	Tebuconazole	<R. L.	Fluquinconazole	<R. L.	0.01 mg/Kg
Myclobutanil	<R. L.	o,p'- Methoxychlor olefin	<R. L.	Coumaphos	<R. L.	0.01 mg/Kg
Diclobutrazol	<R. L.	Captafol	<R. L.	Prochloraz	<R. L.	0.01 mg/Kg
Azaconazole	<R. L.	Propargite	<R. L.	Cyfluthrin beta	<R. L.	0.01 mg/Kg
Prothiocanazole desthio	<R. L.	Epoxiconazole	<R. L.	Cypermethrin	<R. L.	0.01 mg/Kg
Flusilazole	<R. L.	Resmethrin	<R. L.	Flucythrinate	<R. L.	0.01 mg/Kg
Oxyfluorfen	<R. L.	Endrin ketone	<R. L.	Etofenprox	<R. L.	0.01 mg/Kg
Bupirimate	<R. L.	Nitralin	<R. L.	Fluridone	<R. L.	0.01 mg/Kg
Endrin	<R. L.	Iprodione	<R. L.	Fenvalerate	<R. L.	0.01 mg/Kg
Kresoxim Methyl	<R. L.	Phosmet	<R. L.	Pyraclostrobin	<R. L.	0.01 mg/Kg
Nitrofen	<R. L.	Pyridaphenthion	<R. L.	tau-Fluvalinate	<R. L.	0.01 mg/Kg
Cyproconazol	<R. L.	Tetramethrin	<R. L.	Difenoconazole	<R. L.	0.01 mg/Kg
Perthan	<R. L.	EPN	<R. L.	Deltamethrin	0.017	0.01 mg/Kg
Endosulfan beta	<R. L.	Methoxychlor	<R. L.	Phorate	<R. L.	0.01 mg/Kg
fenthion sulfoxide	<R. L.	Bifenthrin	<R. L.	Methyl	<R. L.	0.01 mg/Kg
Diniconazole	<R. L.	Prothioconazole	<R. L.	pentachlorophenyl		0.01 mg/Kg
Chlorthiophos	<R. L.	Tebufenpyrad	<R. L.	sulfide		0.01 mg/Kg
4,4'-DDD (TDE)	<R. L.	Tetradifon	<R. L.	Metalaxyl	<R. L.	0.01 mg/Kg
Cis Nonachlor	<R. L.	Phenothrin	<R. L.	Fluazifop-P-butyl	<R. L.	0.01 mg/Kg
fenthion sulfone	<R. L.	Azinphos methyl	<R. L.	Triazophos	<R. L.	0.01 mg/Kg
2,4'-DDT	<R. L.	Phosalone	<R. L.	Piperonyl-Butoxide	<R. L.	0.01 mg/Kg
Endrin aldehyde	<R. L.	Leptophos	<R. L.	Parathion methyl	<R. L.	0.01 mg/Kg
Ethion	<R. L.	Mirex	<R. L.	Parathion ethyl	<R. L.	0.01 mg/Kg
Chlorfenapyr	<R. L.	Fenpropathrin	<R. L.			0.01 mg/Kg

Method of analysis: In House GC MS/MS (J. of Chromatography A, 912 (2001) 135-142 & AOAC 2007.1)

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Date of Analysis: 04/12/2024
Condition of Sample: Acceptable
Sampling Responsible: Client
Description: Sealed bottle No 268

Determination	Result	Report limit
Pesticides Residues* (Table of concentrations of pesticides residues above R.L.)		
Deltamethrin	0.017 mg/Kg	0.01 mg/Kg

Method of analysis: In House GC MS/MS (J. of Chromatography A, 912 (2001) 135-142 & AOAC 2007.1)
R.L.: Report Limit

DATE OF ISSUE: 04/12/2024

On behalf of the laboratory



Michalis Tampakopoulos
Chemist, M.Sc.

End of the Report

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