OLITECN
LABORATORY RESEARCH AND ANALYSIS - TECHNICAL CONSULTING

INTERNATIONAL OLIVE COUNCIL
CHEMICAL TESTING LABORATORY RECOGNIZED

FOSFA INTERNATIONAL
ASSOCIATE ANALYST MEMBER

ANALYSIS REPORT

12/1/2018

OLITECN ID: 79726

CUSTOMER: LAKUDIA HELLAS ΕΠΕ

DATE OF RECEIPT: 10/1/2018 DATE OF ANALYSIS: 10/1/2018

DECLARED OIL TYPE: EXTRA VIRGIN OLIVE OIL SAMPLING PROCEDURE: BY THE CUSTOMER

SAMPLE DATA: LAKUDIA EVOO HARVEST 12/2017 A.S. AG.DIM/TALANTA 08.01.2018 P.G.I.LACONIA. SAMPLE NO.2018/02

SAMPLE DESCRIPTION: 500 ml OF SAMPLE IN A TRANSPARENT PLASTIC BOTTLE OF 500 ml

ACIDITY %:	0,22	*(max 0,8)*
K270:	0,140	*(0,22)*
K232:	1,664	*(max 2,50)*
ΔK:	-0,004	*(max 0,01)*
PEROXIDE VALUE(meqO2/kg):	4,3	*(max 20)*

(FOLIN-CIOCALTEU METHOD)

PHENOLIC COMPOUNDS ppm:	454	*(50-500 ppm)*

RESULTS: BASED ON THE DETERMINED PARAMETERS, THE PRESENT SAMPLE OF OLIVE OIL MEET THE SPECIFICATIONS OF EXTRA VIRGIN OLIVE OIL, ACCORDING TO EUROPEAN REGULATION 2568/91 AND FOLLOWING AMENDMENTS.

OLITECN OE - TECHNICAL CONSULTING * 330, EL. VENIZELOU AVE. - 17673 KALLITHEA GR * LABORATORY RESEARCH & ANALYSIS

THE ANALYST

PANAGIOTIS KONSTANTINOU
CHEMIST

METHODOLOGY: EUROPEAN UNION REG. 2568/91 AND FOLLOWING AMENDEMENTS (UNLESS OTHERWISE

THE ANALYTICAL RESULTS HEREBY REPORTED ARE REFFERED ONLY TO THE ANALYZED SAM
PARTIAL REPRODUCTION IS PROHIBITED WITHOUT LABORATORY'S AYTHORIZATION

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OLITECN ID :	79726
CUSTOMER :	LAKUDIA HELLAS ΕΠΕ
DATE OF RECEIPT :	10/01/2018
DATE OF ANALYSIS :	10/01/2018
DECLARED OIL TYPE :	EXTRA VIRGIN OLIVE OIL
SAMPLE DATA :	LAKUDIA EVOO – HARVEST12/2017AG.DIM/TALANTA 08/01/2018 PGI LAKONIA SAMPLE No 2018/02.
SAMPLE DESCRIPTION :	500 ml OF SAMPLE IN A TRANSPARENT PLASTIC BOTTLE OF 100 ml
SAMPLING PROCEDURE :	BY THE CUSTOMER

MULTI – RESIDUE ANALYSIS (GC-MS/MS)

COMPOUND	*RESULTS (mg / kg)*	*Reporting Limit (mg / kg)*
Acephate	< R.L.	0,01
Acetochlor	< R.L.	0,01
Aclonifen	< R.L.	0,01
Alachlor	< R.L.	0,01
Aldrin	< R.L.	0,01
Atrazine	< R.L.	0,01
Azaconazole*[1]	< R.L.	0,01
Azinphos ethyl	< R.L.	0,01
Azinphos methyl	< R.L.	0,01
Azoxystrobin	< R.L.	0,01
Benfluralin	< R.L.	0,01
Bifenox	< R.L.	0,01
Biphenyl	< R.L.	0,01
Bromacil*[1]	< R.L.	0,01
Bromocyclen	< R.L.	0,01
Bromophos ethyl	< R.L.	0,01
Bromophos methyl	< R.L.	0,01
Bromopropylate	< R.L.	0,01
Butralin	< R.L.	0,01
Captan	< R.L.	0,01
Carbaryl	< R.L.	0,01
Carbophenothion	< R.L.	0,01
Carfentrazonethyl	< R.L.	0,01
Chinomethionat	< R.L.	0,01
Chlordane	< R.L.	0,01
Chlorfenapyr	< R.L.	0,01
Chlorfenson	< R.L.	0,01
Chlorfenvinphos*[1]	< R.L.	0,01
Chlorobenzilate	< R.L.	0,01
Chloroneb	< R.L.	0,01
Chlorothalonil	< R.L.	0,01
Chlorpropham	< R.L.	0,01
Chlorpyrifos	< R.L.	0,01
Chlorpyrifos methyl	< R.L.	0,01
Chlorthal-dimethyl	< R.L.	0,01
Chlorthion	< R.L.	0,01
Chlozolinate	< R.L.	0,01
Coumaphos	< R.L.	0,01
Cyanazine	< R.L.	0,01
Cyanofenphos	< R.L.	0,01
Cyanophos	< R.L.	0,01
Cyflufenamid	< R.L.	0,01
Cyhalothrin-lamda	< R.L.	0,01
o,p'-DDT	< R.L.	0,01
p,p'-DDT	< R.L.	0,01

COMPOUND	RESULTS (mg / kg)	Reporting Limit (mg / kg)
o,p'-DDE	< R.L.	0,01
p,p'-DDE	< R.L.	0,01
o,p'-DDD	< R.L.	0,01
p,p'-DDD	< R.L.	0,01
Diazinon*[1]	< R.L.	0,01
Dichlobenil	< R.L.	0,01
Dichlofenthion	< R.L.	0,01
Dichloran	< R.L.	0,01
Dichlorvos*[1]	< R.L.	0,01
Diclobutrazol	< R.L.	0,01
Diclofop methyl	< R.L.	0,01
Dicofol	< R.L.	0,01
Dieldrin	< R.L.	0,01
Diflufenican*[1]	< R.L.	0,01
Dimethoate	< R.L.	0,01
Dimoxystrobin*[1]	< R.L.	0,01
Diniconazole	< R.L.	0,01
Diphenamid	< R.L.	0,01
Disulfoton	< R.L.	0,01
Disulfoton-sulfone	< R.L.	0,01
Ditalimfos	< R.L.	0,01
Endosulfan alpha	< R.L.	0,01
Endosulfan beta	< R.L.	0,01
Endosulfan sulfate	< R.L.	0,01
Endrin	< R.L.	0,01
EPN*[1]	< R.L.	0,01
Etaconazole	< R.L.	0,01
Ethalfluralin	< R.L.	0,01
Ethion	< R.L.	0,01
Ethoprophos*[1]	< R.L.	0,01
Etridiazole	< R.L.	0,01
Etrimfos	< R.L.	0,01
Famophos	< R.L.	0,01
Fenarimol	< R.L.	0,01
Fenazaquin	< R.L.	0,01
Fenchlorphos	< R.L.	0,01
Fenhexamid	< R.L.	0,01
Fenitrothion	< R.L.	0,01
Fenobucarb	< R.L.	0,01
Fenpiclonil	< R.L.	0,01
Fenson	< R.L.	0,01
Fensulfothion*[1]	< R.L.	0,01
Fenthion	< R.L.	0,01
Fenthion-sulfoxide	< R.L.	0,01
Fipronil*[1]	< R.L.	0,01
Fluchloralin*[1]	< R.L.	0,01
Flufenacet	< R.L.	0,01
Flumetralin*[1]	< R.L.	0,01
Flumioxazin	< R.L.	0,01
Fluopicolide*[1]	< R.L.	0,01
Fluotrimazole	< R.L.	0,01
Folpet	< R.L.	0,01
Fonofos	< R.L.	0,01
Formothion	< R.L.	0,01
Haloxyfop-p-methyl	< R.L.	0,01
HCH-alpha	< R.L.	0,01
HCH-beta	< R.L.	0,01
HCH-delta	< R.L.	0,01
HCH-gamma (Lindane)	< R.L.	0,01

COMPOUND	RESULTS (mg / kg)	Reporting Limit (mg / kg)
Heptachlor		0,01
Heptachlor-endo-epoxide	< R.L.	0,01
Heptachlor-exo-epoxide	< R.L.	0,01
Heptenophos*[1]	< R.L.	0,01
Hexachloro-benzene	< R.L.	0,01
Hexaconazole	< R.L.	0,01
Imibenconazole	< R.L.	0,01
Indoxacarb	< R.L.	0,01
Iprobenfos *[1]	< R.L.	0,01
Iprodione	< R.L.	0,01
Isazofos *[1]	< R.L.	0,01
Isofenphos	< R.L.	0,01
Isofenphos methyl*[1]	< R.L.	0,01
Isopropalin	< R.L.	0,01
Jodofenphos	< R.L.	0,01
Kresoxim – methyl	< R.L.	0,01
Leptophos	< R.L.	0,01
Malaoxon	< R.L.	0,01
Malathion *[1]	< R.L.	0,01
Mecarbam	< R.L.	0,01
Mefenpyr diethyl*[1]	< R.L.	0,01
Metazachlor*[1]	< R.L.	0,01
Methacrifos*[1]	< R.L.	0,01
Methamidophos	< R.L.	0,01
Methidathion*[1]	< R.L.	0,01
Methoxychlor	< R.L.	0,01
Metolachlor & Metolachlor S	< R.L.	0,01
Metribuzin*[1]	< R.L.	0,01
Mevinphos*[1]	< R.L.	0,01
Mirex	< R.L.	0,01
Molinate	< R.L.	0,01
Myclobutanil	< R.L.	0,01
Nitralin	< R.L.	0,01
Nitrofen	< R.L.	0,01
Nitrothal isopropyl	< R.L.	0,01
Nuarimol	< R.L.	0,01
Ofurace*[1]	< R.L.	0,01
Oxadiazon	< R.L.	0,01
Oxyfluorfen	< R.L.	0,01
Paclobutrazole	< R.L.	0,01
Parathion	< R.L.	0,01
Paraoxon ethyl	< R.L.	0,01
Parathion methyl*[1]	< R.L.	0,01
Paraoxon methyl	< R.L.	0,01
Pebulate	< R.L.	0,01
Penconazole	< R.L.	0,01
Pendimethalin	< R.L.	0,01
Pentachloraniline	< R.L.	0,01
Pentachloranisole	< R.L.	0,01
Perthane	< R.L.	0,01
Phenthoate*[1]	< R.L.	0,01
Phenylphenol-2	< R.L.	0,01
Phorate	< R.L.	0,01
Phosalone	< R.L.	0,01
Phosmet*[1]	< R.L.	0,01
Picolinafen	< R.L.	0,01
Pirimiphos ethyl	< R.L	0,01

COMPOUND	RESULTS (mg / kg)	Reporting Limit (mg / kg)
Pirimiphos methyl	< R.L.	0,01
Procymidone	< R.L.	0,01
Profenophos	< R.L.	0,01
Profluralin*[1]	< R.L.	0,01
Propachlor*[1]	< R.L.	0,01
Propanil	< R.L.	0,01
Propetamfos*[1]	< R.L.	0,01
Propyzamide	< R.L.	0,01
Proquinazid	< R.L.	0,01
Prothioconazole	< R.L.	0,01
Prothiophos	< R.L.	0,01
Pyraflufen ethyl	< R.L.	0,01
Pyrazophos	< R.L.	0,01
Pyridafenthion	< R.L.	0,01
Pyrifenox	< R.L.	0,01
Quinalphos	< R.L.	0,01
Quinoxyfen	< R.L.	0,01
Quintozene	< R.L.	0,01
Simazine	< R.L.	0,01
Spirodiclofen	< R.L.	0,01
Sulprofos	< R.L.	0,01
Tecnazene	< R.L.	0,01
Tefluthrin	< R.L.	0,01
Terbacil*[1]	< R.L.	0,01
Terbufos	< R.L.	0,01
Terbuthylazine	< R.L.	0,01
Tetrachlorvinphos	< R.L.	0,01
Tetradifon	< R.L.	0,01
Tetrasul	< R.L.	0,01
Thionazin	< R.L.	0,01
Tolclofos methyl	< R.L.	0,01
Tolyfluanid	< R.L.	0,01
Triadimefon	< R.L.	0,01
Triallate	< R.L.	0,01
Triazophos	< R.L.	0,01
Trichloronat	< R.L.	0,01
Trifloxystrobin*[1]	< R.L.	0,01
Triflumizole	< R.L.	0,01
Trifluralin	< R.L.	0,01
Uniconazole	< R.L.	0,01
Vamidothion	< R.L.	0,01
Vinclozolin	< R.L.	0,01
Zoxamide*[1]	< R.L.	0,01

MULTI – RESIDUE ANALYSIS (GC-ECD)

COMPOUND	*RESULTS (mg / kg)*	*Reporting Limit (mg / kg)*
Acrinathrin	< R.L.	0,01
BHC	< R.L.	0,01
Bifenthrin	< R.L.	0,01
Butafenacil	< R.L.	0,01
Captafol	< R.L.	0,05
Carbophenothion methyl	< R.L.	0,01
Cyfluthrin	< R.L.	0,02
Cyfluthrin-beta	< R.L.	0,01
Cypermethrin	< R.L.	0,02
Cypermethrin-alpha	< R.L.	0,01
Cyphenothrin	< R.L.	0,01
Deltamethrin	< R.L.	0,01
Dichlofluanid	< R.L.	0,01
Dinocap	< R.L.	0,05
Esfenvalerate	< R.L.	0,01
Fenfluthrin	< R.L.	0,01
Fenpropathrin	< R.L.	0,01
Fenvalerate	< R.L.	0,01
Fluazinam	< R.L.	0,01
Flucythrinate	< R.L.	0,01
Fluthiacet methyl	< R.L.	0,05
Fluvalinate tau	< R.L.	0,01
Halfenprox	< R.L.	0,01
Isocarbofos	< R.L.	0,02
Isodrin	< R.L.	0,01
Isoxadifen ethyl	< R.L.	0,05
Meptyldinocap	< R.L.	0,05
Permethrin	< R.L.	0,05
Phenkapton	< R.L.	0,01
Pyrethrins	< R.L.	0,05
Pyridalyl	< R.L.	0,01
S421	< R.L.	0,01
Sulfentrazone	< R.L.	0,05
Tetramethrin	< R.L.	0,01
Transfluthrin	< R.L.	0,01

NOTE 1: Except the compounds in the above table, all the other pesticides were either not detected or were detected in concentration below the reporting limit ("R.L.") of the method.
NOTE 2: The compounds marked <*> are not included in the accreditation scope.
NOTE 3: The following tables show all the analyzed compounds and their Reporting Limit.
NOTE4: In determination of compounds amitraz, chlropropham, cycloxydim, disulfoton, diuron, ethofumesate, fenchlorphos, fenthion, flonicamid, flufenacet, haloxyfop, mesotrione, phorate, phosmet, prochloraz, pyridat, tolyfluanid, triflumizole and vinclozolin, the entire set of metabolites is not included.
NOTE 5: The analytical results hereby reported are referred only to the analyzed sample.
NOTE 6: Partial reproduction is prohibited without laboratory's authorization.
NOTE 7: The above analysis was performed in an accredited partner laboratory.

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