



**BENAKI
PHYTOPATHOLOGICAL
INSTITUTE**

Sc. Directorate: Pesticides Control and Phytopharmacy

Laboratory: Pesticide Residues

Information: Dr C. Anagnostopoulos

Kifissia, 12.01.2024

No.: ΥΠ12

Test report No: 5/2024

To:

Chondros George

Klisovis 12, 106 77, Athens

E-mail: info@solixpo.gr

Topic: Test report of the analysis for the determination of pesticide residues in olive oil

Related document: Your reference on 09.01.2024

TEST REPORT

Description of the sample: **Olive oil**

Condition of the received sample: Excellent

Origin: Greece

Sampling by: Chondros George

Date of sample receipt: 09.01.2024

Benaki protocol No: YP12/11.01.2024

METHODS OF ANALYSIS

M18-LC-ESI-[+]: Accredited M18 [Liquid chromatography coupled to triple quadrupole mass spectrometer (LC/MS/MS)]

Date of extraction: 10.01.2024

Dates of analysis: 11.01.2024

Test results: The received sample was analysed by the above-mentioned method suitable for the determination of residues of plant protection products of its scope and no residues were detected at concentrations higher than the reporting limits, as shown in the attached table No 1.

M18-GC-MS/MS: Accredited M18 [Gas chromatography coupled to triple quadrupole mass spectrometer (GC/MS/MS)]

Date of extraction: 10.01.2024

Dates of analysis: 11.01.2024

Test results: The received sample was analysed by the above-mentioned method suitable for the determination of residues of plant protection products of its scope and no residues were detected at concentrations higher than the reporting limits, as shown in the attached table No 2.

The General Director

Dr K. Machera



Testing
No. of Certificate 97

The report shall not be reproduced except in full
The reported results refer exclusively to the received samples

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Table 1: Reporting limits [M18-Plant origin-LC-ESI (+)]

Αναλύτης	Όριο αναφοράς mg/kg	Αναλύτης	Όριο αναφοράς mg/kg	Αναλύτης	Όριο αναφοράς mg/kg
acephate	0,05	dodemorph	0,01	metamitron	0,01
acetamiprid	0,01	EPN	0,01	metconazole	0,01
acetochlor	0,01	epoxiconazole	0,01	methabenzthiazuron	0,05
aldicarb (ολικό)	0,1	ethion	0,01	methacrifos	0,01
• aldicarb	0,1	ethirimol	0,01	methamidophos	0,01
• aldicarb sulfone	0,01	ethofumesate	0,01	methiocarb (ολικό)	0,01
• aldicarb sulfoxide	0,01	ethoprophos	0,01	• methiocarb	0,01
ametryn	0,01	ethoxyquin	0,02	• methiocarb-sulfone	0,01
atrazine	0,01	etofenprox	0,01	• methiocarb-sulfoxide	0,01
azinphos ethyl	0,05	etoxazole	0,01	methomyl (ολικό)	0,01
azinphos methyl	0,01	famoxadone	0,01	• methomyl	0,01
azoxystrobin	0,01	fenamidone	0,01	• thiodicarb	0,01
benalaxyl	0,05	fenamiphos (ολικό)	0,01	methoxyfenozide	0,01
benfuracarb	0,01	• fenamiphos	0,01	metobromuron	0,01
benomyl	ως carbendazim	• fenamiphos sulfone	0,01	metoxuron	0,01
bensulfuron-methyl	0,01	• fenamiphos sulfoxide	0,01	metsulfuron methyl	0,01
benzoximate	0,01	fenazaquin	0,01	mevinphos (ολικό)	0,05
bitertanol	0,1	fenbuconazole	0,01	• mevinphos E (cis)	0,05
boscalid	0,1	fenhexamid	0,01	• mevinphos Z (trans)	0,05
bromacil	0,05	fenoxycarb	0,01	monocrotophos	0,01
bromuconazole	0,01	fenpropimorph	0,05	monolinuron	0,01
bupirimate	0,01	fenpyroximate	0,01	myclobutanil	0,01
buprofezin	0,01	fensulfothion (ολικό)	0,01	naled	0,01
cadusafos	0,01	• fensulfothion	0,01	napropamide	0,01
carbaryl	0,01	• fensulfothion oxon	0,01	nicosulfuron	0,01
carbendazim (& benomyl)	0,01	• fensulfothion sulfone	0,01	nitenpyram	0,05
carbofuran (ολικό)	0,01	• fensulfothion oxon-sulfone	0,01	nuarimol	0,05
• carbofuran	0,01	fenthion (ολικό)	0,01	omethoate	βλέπε dimethoate
• carbofuran, 3-hydroxy-	0,01	• fenthion	0,01	oxadiazon	0,01
carbosulfan	0,01	• fenthion oxon	0,01	oxadixyl	0,01
carboxin	0,01	• fenthion-sulfone	0,01	oxamyl	0,01
chlorbromuron	0,01	• fenthion-sulfoxide	0,01	oxydemeton methyl (ολικό) (demeton-S-methyl sulfoxide)	0,01
chlorfenvinphos	0,01	• fenthion oxon-sulfone	0,01	• oxydemeton methyl (demeton-S-methyl sulfoxide)	0,01
chloridazon	0,05	• fenthion oxon-sulfoxide	0,01	• demeton-S-methyl sulfone	0,01
chlorotoluron	0,01	flufenacet	0,01	paclobutrazole	0,02
chloroxuron	0,01	flufenoxuron	0,01	paraoxon-methyl	0,01
chlorpyrifos	0,01	fluometuron	0,01	parathion	0,01
chlorsulfuron	0,01	fluopicolide	0,02	penconazole	0,01
clofentezine	0,01	fluquinconazole	0,01	pencycuron	0,01
clothianidin	0,01	flutolanil	0,01	pendimethalin	0,01
coumaphos	0,01	flusilazole	0,01	phenanthrin	0,01
cymoxanil	0,01	flutriafol	0,01	phosalone	0,01
cyproconazole	0,01	hexaconazole	0,01	phosmet (ολικό)	0,01
cyprodinil	0,01	hexythiazox	0,01	• phosmet	0,01
demeton-S-methyl	0,01	imazalil	0,01	• phosmet oxon	0,01
desmetryn	0,01	imazamethabenz-methyl	0,01	phoxim	0,01
diazinon	0,01	imidacloprid	0,01	picoxystrobin	0,05
dichlofluanid	0,01	indoxacarb (ολικό)	0,01	piperonyl butoxide	0,01
dichlorvos	0,01	fosthiazate	0,01	pirimicarb (ολικό)	0,01
dicrotophos	0,01	furathiocarb	0,01	• pirimicarb	0,01
diethofencarb	0,01	heptenophos	0,05	• desmethyl pirimicarb	0,01
dimethoate (ολικό)	0,01	iprovalicarb	0,05	pirimiphos-methyl	0,01
• dimethoate	0,01	isoprothiolane	0,05	primisulfuron	0,01
• omethoate	0,01	isoproturon	0,01	prochloraz	0,01
difenoconazole	0,01	linuron	0,01	profenofos	0,01
diflufenican	0,01	lufenuron	0,05	prometryn	0,01
dimethomorph	0,01	malathion (ολικό)	0,01	propamocarb	0,01
diniconazole	0,01	• malathion	0,01	propargite	0,01
diphenamid	0,1	• malaoxon	0,01	propiconazole	0,01
disulfoton (ολικό)	0,05	mecarbam	0,05	pymetrozine	0,1
• disulfoton	0,05	mepanipyrim	0,01	pyraclostrobin	0,01
• disulfoton sulfone	0,01	metaflumizone	0,05	pyrazophos	0,01
• disulfoton sulfoxide	0,01	metalaxyl (ολικό)	0,01		



Αναλύτης	Όριο αναφοράς mg/kg	Αναλύτης	Όριο αναφοράς mg/kg	Αναλύτης	Όριο αναφοράς mg/kg
pyrethrins (ολικό)	0,01	spirodiclofen	0,01	thifensulfuron-methyl	0,01
• cinerin I	0,01	spiroxamine	0,01	thiodicarb	as methomyl
• cinerin II	0,01	tebuconazole	0,01	thiophanate-methyl	0,01
• jasmolin I	0,01	tebufenozide	0,01	tolyfluanid	0,01
• jasmolin II	0,01	tebufenpyrad	0,01	tralkoxydim	0,05
• pyrethrin I	0,01	temephos	0,01	triadimefon (ολικό)	0,01
• pyrethrin II	0,01	terbufos	0,01	• triadimefon	0,01
pyridaben	0,01	terbufos sulfone	0,01	• triadimenol	0,01
pyridate	0,01	terbufos sulfoxide	0,01	triadimenol	as triadimefon
pyrifenox	0,01	terbuthylazine	0,01	thiobencarb	0,01
pyrimethanil	0,01	terbutryn	0,05	triasulfuron	0,01
pyriproxyfen	0,01	tetrachlorvinphos	0,05	triazophos	0,01
quinalphos	0,01	tetraconazole	0,01	tricyclazole	0,01
quinoxifen	0,01	thiabendazole	0,01	trifloxystrobin	0,01
sethoxydime	0,05	thiacloprid	0,01	triticonazole	0,01
spinosad (ολικό)	0,01	thiamethoxam (ολικό)	0,01	vamidothion	0,01
• spinosyn A	0,01	• thiamethoxam	0,01	zoxamide	0,01
• spinosyn D	0,01	• clothianidin	0,01		



Table 2-M15: Reporting level [M18, GC/MS/MS]

Αναλύτης/compound	Όριο αναφοράς/ Reporting level mg/kg	Αναλύτης/compound	Όριο αναφοράς/ Reporting level mg/kg	Αναλύτης/compound	Όριο αναφοράς/ Reporting level mg/kg
acclonifen	0.01	dieldrin (ολικό/sum)	0.01	nitrofen	0.01
acrinathrin	0.01	• aldrin	0.01	orthophenyl-phenol (2-phenylphenol)	0.01
aldrin	ως/as dieldrin	• dieldrin	0,01	oxyfluorfen	0.01
aziphos ethyl	0.01	dinitramine	0.01	parathion-methyl	0.02
benfluralin	0.01	diphenylamine	0.01	pentachloroaniline	0.01
bifenthrin	0.02	endosulfan (ολικό/sum)	0.005	permethrin (ολικό/sum)	0.02
biphenyl	0.01	• endosulfan. alpha-	0.005	phenthoate	0.02
bromophos-ethyl	0.01	• endosulfan. beta-	0.005	phorate	0.01
bromopropylate	0.01	• endosulfan-sulfate	0.005	procymidone	0.02
chlordan (ολικό/sum)	0.01	endrin	0.01	propanil	0.1
• chlordan. alpha- (cis-)	0.01	ethalfuralin	0.01	propham	0.01
• chlordan. gamma- (trans-)	0.01	fenarimol	0.01	propyzamide	0.01
chlorfenapyr	0.01	fenitrothion	0.01	prothiofos	0.01
chlorobenzilate	0.01	fenpropathrin	0.01	Pyridaben	0.01
chlorpyrifos-methyl	0.01	fenvalerate & esfenvalerate (sum of RR&SS isomers)	0.01	quintozene	0.01
chlorthal dimethyl	0.01	fipronil	0.01	simazine	0.01
Cyanazine	0.05	flucythrinate	0.01	spiromesifen	0.01
cyfluthrin (ολικό/sum)	0.01	HCH (ολικό/sum)		tau-fluvalinate	0.01
cypermethrin (ολικό/sum)	0.01	• HCH. alpha-	0.005	tecnazene	0.01
DDD. o. p'-	0.01	• HCH. beta-	0.005	tefluthrin	0.01
DDE. o. p'-	0.01	heptachlor (ολικό/sum)	0.005	tetradifon	0.02
DDT (ολικό/sum)	0.01	• heptachlor	0.01	tolclofos-methyl	0.01
• DDT. p. p'-	0.01	• heptachlor-epoxide	0.01	trifluralin	0.01
• DDT. o. p'-	0.01	hexachlorobenzene (HCB)	0.01	vinclozolin	0.01
• DDE. p. p'-	0.01	isocarbofos	0.01		
• DDD (TDE). p. p'-	0.01	isofenphos-methyl	0.01		
deltamethrin (cis-)	0.01	kresoxim-methyl	0.01		
Dichorobenzophenone 2.4	0.01	lambda-cyhalothrin	0.01		
Dichorobenzophenone 4.4	0.01	lindane (HCH. gamma-)	0.01		
Dicloran	0.01	metazachlor	0.01		
dicofol (ολικό/sum)	0.02	methidathion	0.01		
• dicofol. p. p'-	0.01	Methoxychlor	0.01		
• dicofol. o. p'-	0.01	Metolachlor	0.01		

* Confirmation of positive result with LC/MS/MS/ESI (-)

