

Client:



22009281206
PA303553

Cayli Organik Tarim Limited Sirketi
Egricayir Bali
Arpacbahsis Mh. 326 sok No. 7A
Erdemli Mersin
Turkey

E-Mail: celal@egricayir.com
Your order no. 2020-1

Our reference no.	: PI2009180133		
Product	: Propolis water		
Sample description / Batch	: EGRICAYIR WATER BASED BIO PROPOLIS - Lot No. 10		
Sample received on / transported by	: 18.09.2020	Seal	: none
Sample temp. when received / stored	: 15,7	Sampling	: Client
Packaging / Quantity	: Glass container / ca. 100g	Start / End of analysis	: 22.09.2020 / 28.09.2020

ANALYSIS REQUESTED: Pesticides by GC and LC-MS (108803)

Parameter	Result	Unit	Method
Pesticides	n.d.	mg/kg	PM DE01_280:2015-05 (a) ¹
n.d. - not detected < limits of quantification List of analytes and limits of quantification: see pdf-file attached to the electronically submitted analysis report			
(a) : accredited method. (na) : not accredited method. (1) inhouse procedure This document may only be reproduced in full. The results given herein apply to the submitted sample only.			

Interpretation:

Referring to the analyzed parameters and considering the above mentioned limit of quantification, in the investigated sample the above stated amounts of residue were determined.

Peter Tebbe
Responsible Scientist, Certified Food Chemist

PESTICIDE MULTIRESIDUE METHOD

SCOPE OF ACTIVE SUBSTANCES IN PROPOLIS

Substance name	Limit of quantification (LOQ) [mg/kg]				
		Chlorpropham ²	0.05	Endosulfan-sulfate ²	0.10
		Chlorpyrifos (-ethyl) ²	0.05	Endrin ²	0.10
		Chlorpyrifos-methyl ²	0.05	EPN ^{1, 2}	0.10
2		Chlorthal-dimethyl ²	0.05	Epoxiconazole ¹	0.05
2.4-D ¹	0.01	Chlorthion ^{2*}	0.10	Ethiofencarb ¹	0.10
		Chlorthiophos ²	0.05	Ethiofencarb-sulfone ¹	0.05
A		Chlozolinat ²	0.05	Ethion ²	0.05
Acephate ^{1, 2}	0.05	Clofentezine ¹	0.20	Ethoprophos ²	0.05
Acequinocyl ¹	0.20	Clomazone ¹	0.05	Ethoxyquin ¹	0.10
Acetamidiprid ¹	0.02	Clopyralid ¹	0.10	Etofenprox ^{2*}	0.20
Acibenzolar-S-methyl ¹	0.02	Clothianidin ¹	0.10	Etridiazole ²	0.05
Aclonifen ²	0.10	Coumaphos ^{1, 2}	0.10	Etrimfos ²	0.05
Acrinathrin ²	0.05	Cyanofenphos ^{2*}	0.10		
Alachlor ²	0.05	Cyanophos ²	0.05	F	
Aldicarb ¹	0.02	Cyantraniliprole ¹	0.05	Famoxadone ¹	0.10
Aldicarb sulfone (Aldoxycarb) ¹	0.10	Cyfluthrin (sum of isomers) ²	0.10	Famphur ^{2*}	0.10
Aldicarb sulfoxide ¹	0.10	Cyhalothrin, -lambda ²	0.10	Fenamiphos ¹	0.01
Aldrin ²	0.05	Cymiazole ^{1, 2}	0.10	Fenarimol ¹	0.40
Ametryn ¹	0.05	Cymoxanil ¹	0.10	Fenazaquin ¹	0.20
Amitraz (incl. rel. metabolites) ¹	0.20	Cypermethrin (sum of isomers) ^{2*}	0.20	Fenbuconazole ¹	0.50
Avermectin B1a ¹	0.10	Cyproconazole ¹	0.10	Fenchlorphos ²	0.05
Avermectin B1b ¹	0.10	Cyprodinil ¹	0.10	Fenhexamid ¹	0.20
Azinphos-ethyl ¹	0.10	Cyromazin ¹	0.50	Fenitrothion ²	0.05
Azinphos-methyl ¹	0.05			Fenoxycarb ¹	0.10
Azoxystrobin ¹	0.02	D		Fenpropathrin ²	0.10
		Daminozide ¹	0.50	Fenpropimorph ¹	0.10
B		DDD, o,p ^{1, 2}	0.05	Fenpyroximate ¹	0.04
Benalaxyl-M (sum of isomers) ¹	0.02	DDD, p,p ^{1, 2}	0.05	Fenson ²	0.05
Benfluralin ²	0.05	DDE, o,p ^{1, 2}	0.05	Fensulfothion ²	0.03
Benomyl ¹	0.10	DDE, p,p ^{1, 2}	0.05	Fenthion ¹	0.10
Bifenazate ²	0.02	DDT, o,p ^{1, 2}	0.05	Fenthion-oxon ¹	0.10
Bifenthrin ^{2*}	0.05	DDT, p,p ^{1, 2}	0.05	Fenthion-oxon-sulfone ¹	0.10
Binapacryl ²	0.02	DEET (Diethyltoluamid) ¹	0.02	Fenthion-sulfoxide ¹	0.10
Biphenyl ²	0.50	Deltamethrin ²	0.10	Fenvalerate/Esfenvalerate (sum of isomers) ²	0.50
Bitertanol ¹	0.10	Demeton-S-methyl ¹	0.05		
Boscalid ¹	0.20	Demeton-S-methyl-sulfone ¹	0.03	Fipronil ²	0.05
Bromacil ¹	0.10	Demeton-S-methyl-sulfoxide ¹	0.02	Fluazifop-P ¹	0.20
Bromophos (-methyl) ²	0.05	Diafenthiuron ¹	0.50	Fluazifop-P-butyl ¹	0.10
Bromophos-ethyl ²	0.05	Diazinon ²	0.05	Fluazinam ¹	0.05
Bromopropylate (incl. 4,4'-Dibromobenzophenone) ²	0.05	Dichlobenil ²	0.05	Fluchloralin ²	0.05
Bromuconazole (sum of isomers) ¹	0.10	Dichlofenthiuron ²	0.05	Flucythrinate ^{2*}	0.10
Bupirimate ¹	0.05	Dichlofluamid ²	0.05	Fludioxonil ¹	0.05
Buprofezin ¹	0.05	Dichlorvos ^{1, 2*}	0.10	Flufenoxuron ¹	0.20
		Dicloran ²	0.05	Fluopyram ¹	0.05
C		Dicofol (incl. 4,4'-Dichlorobenzophenone) ²	0.10	Fluquinconazole ¹	0.20
Cadusafos ¹	0.02	Dieldrin ²	0.10	Flusilazole ¹	0.10
Captan ²	0.10	Diethofencarb ¹	0.05	Flutriafol ¹	0.05
Carbaryl ¹	0.02	Difenoconazol ¹	0.04	Fluvalinate, Tau- ^{2*}	0.10
Carbendazim (incl. Benomyl) ¹	0.05	Diflubenzuron ¹	0.10	Fluxapyroxad ¹	0.05
Carbetamide (sum of isomers) ¹	0.05	Diflufenican ¹	0.10	Folpet ²	0.20
Carbofuran (incl. Carbosulfan) ¹	0.02	Dimethoate ¹	0.02	Fonofos ¹	0.10
Carbofuran-3-hydroxy ¹	0.05	Dimethomorph ¹	0.03	Formothion ²	0.10
Carbophenothion ²	0.10	Dimoxystrobin ¹	0.04		
Chlordane, cis- (alpha-) ²	0.05	Diniconazol ¹	0.10	H	
Chlordane, Oxy- ²	0.05	Dinotefuran ¹	0.10	Halfenprox ²	0.05
Chlordane, trans- (gamma-) ²	0.05	Diphenylamin ¹	0.05	Haloxypol ¹	0.05
Chlorfenapyr ²	0.05	Disulfuton ¹	0.10	HCH, alpha- (Hexachlorocyclohexane, alpha-BCH) ²	0.05
Chlorfenson ²	0.05	Disulfuton sulfone ¹	0.05	HCH, beta- (Hexachlorocyclohexane, beta-BCH) ²	0.05
Chlorfenvinphos ^{1, 2}	0.05	Disulfuton sulfoxide ¹	0.02	HCH, delta- (Hexachlorocyclohexane, delta-BCH) ²	0.05
Chlormephos ²	0.05	Ditalimfos ²	0.05	Heptachlor ²	0.05
Chlorobenzilate ²	0.05	Diuron ¹	0.03	Heptachlor epoxide, cis- ²	0.05
Chloroneb ²	0.05	Dodine ¹	0.10	Heptachlor epoxide, trans- ²	0.05
Chloropropylate ²	0.05			Heptenophos ²	0.05
Chlorothalonil ²	0.05	E			
Chloroxuron ¹	0.02	Endosulfan, -alpha ²	0.05		
		Endosulfan, -beta ²	0.05		

Hexachlorobenzene (HCB) ²	0.05	Parathion (-ethyl) ²	0.05	Tetramethrin ^{2*}	0.20
Hexaconazole ¹	0.10	Parathion-methyl ²	0.05	Tetrasul ²	0.05
Hexaflumuron ²	0.20	Penconazole ¹	0.20	Thiabendazole ¹	0.10
Hexythiazox ¹	0.10	Pencycuron ¹	0.10	Thiacloprid ¹	0.05
I		Pendimethalin ²	0.05	Thiamethoxam ¹	0.05
Imazalil ¹	0.20	Pentachloroaniline ²	0.05	Thiodicarb ¹	0.05
Imidacloprid ¹	0.05	Pentachloroanisole ²	0.05	Thionazin ²	0.02
Inodoxacarb ¹	0.10	Permethrin (sum of isomers) ²	0.05	Thiophanat-methyl ¹	0.05
Iodofenphos ²	0.02	Phenthoate ²	0.05	Tolclofos-methyl ²	0.05
Iprobenfos ²	0.05	Phenylphenol, 2-2 [*]	0.50	Tolyfluanid ²	0.05
Iprodione ^{2*}	0.10	Phorate ²	0.05	Triadimefon ¹	0.10
Iprovalicarb ¹	0.02	Phorate sulfone ²	0.05	Triadimenol ¹	0.20
Isazofos ²	0.10	Phosalone ²	0.10	Triallate ²	0.05
Isocarbofos ²	0.05	Phosmet ²	0.05	Triazophos ^{2*}	0.10
Isodrin ²	0.05	Phosphamidon ²	0.05	Trichlorfon ¹	0.10
Isofenphos ¹	0.05	Piperonyl butoxide ²	0.05	Trichloronat ²	0.05
Isofenphos-methyl ¹	0.05	Pirimicarb ¹	0.05	Trifloxystrobin ¹	0.03
Isoproturon ¹	0.05	Pirimicarb, Desmethyl- ¹	0.10	Triflumizole ¹	0.10
Isoxathion ²	0.02	Pirimicarb, Desmethylformamido- ¹	0.05	Trifluralin ²	0.05
		Pirimiphos-ethyl ²	0.05	Triforine ¹	0.01
		Pirimiphos-methyl ²	0.05		
K		Prochloraz ¹	0.05	V	
Kresoxim-methyl ¹	0.20	Procymidone ²	0.05	Vinclozolin ²	0.05
L		Profenofos ²	0.10		
Leptophos ²	0.05	Profluralin ²	0.05		
Lindane (gamma-HCH, gamma-BCH) ²	0.05	Propamocarb ¹	0.10		
Linuron ¹	0.10	Propargite ¹	0.05		
Lufenuron ¹	0.05	Propetamphos ²	0.10		
		Propiconazole ¹	0.20		
		Propoxur ¹	0.02	Technical equipment	
		Propyzamide ¹	0.02	¹ : LC-MS/MS	
M		Prothioconazole ¹	0.02	² : GC-MS/MS	
Malaoxon ¹	0.02	Prothiofos ²	0.05	Method	
Malathion ¹	0.05	Pymetrozine ¹	0.10	ASU § 64 LFGB L 00.00-115 (DIN EN 15662),	
Mecarbam ¹	0.20	Pyraclostrobin ¹	0.05	QuEChERS	
Mepanipyrim ¹	0.02	Pyrazophos ²	0.10		
Mepronil ¹	0.10	Pyridaben ¹	0.20		
Mesotrione ¹	0.01	Pyridaphenthion ¹	0.50	Additional residue analyses (included in	2
Metalaxy ¹	0.01	Pyrifenox ¹	0.02	pesticide multiresidue method)	
Metamitron ¹	0.50	Pyrimethanil ¹	0.10	Bee treatment agents by GC-MS/MS	
Metazachlor ¹	0.05	Pyriproxyfen ¹	0.02	Neonicotinoide by LC-MS/MS	
Methacrifos ²	0.05				
Methamidophos ^{1,2}	0.05	Q			
Methidathion ²	0.05	Quinalphos ²	0.02		
Methiocarb ¹	0.10	Quinoxifen ¹	0.10		
Methiocarb sulfone ¹	0.10	Quintozene ²	0.05		
Methiocarb sulfoxide ¹	0.05				
Methomyl ¹	0.10	R			
Methoxychlor ²	0.01	Rotenone ¹	0.20		
Methoxyfenozide ¹	0.10				
Metobromuron ¹	0.10	S			
Metolcarb ¹	0.05	S 421 (Octachlorodipropyl ether) ^{2*}	0.10		
Metoxuron ¹	0.01	Spinosad ¹	0.30		
Metribuzin ¹	0.01	Spirodiclofen ¹	0.10		
Mevinphos ²	0.05	Spiromesifen ¹	0.20		
Mirex ²	0.05	Spirotetramat ¹	0.05		
Monocrotophos ²	0.10	Spiroxamine ¹	0.05		
Monolinuron ¹	0.05	Sulfotep ²	0.05		
Myclobutanil ¹	0.10	Sulfoxaflor ¹	0.01		
		Sulprofos ²	0.05		
N					
Nitenpyram ¹	0.10	T			
Nitrapyrin ²	0.05	Tebuconazole ¹	0.20		
Nitrofen ²	0.10	Tebufenozide ¹	0.20		
Nuarimol ¹	0.20	Tebufenpyrad ¹	0.30		
		Tecnazene ²	0.05		
O		Teflubenzuron ¹	0.10		
Omethoate ¹	0.10	Tefluthrin ²	0.05		
Oxadixyl ¹	0.10	Terbufos ²	0.05		
Oxamyl ¹	0.10	Terbutylazine ¹	0.01		
		Tetrachlorvinphos ²	0.05		
P		Tetraconazole ¹	0.10		
Paraoxon (-ethyl) ²	0.05	Tetradifon ²	0.02		
Paraoxon-methyl ²	0.05				

Technical equipment

¹: LC-MS/MS

²: GC-MS/MS

Method

ASU § 64 LFGB L 00.00-115 (DIN EN 15662),
QuEChERS

Additional residue analyses (included in pesticide multiresidue method)

Bee treatment agents by GC-MS/MS
Neonicotinoide by LC-MS/MS

*LOQs might vary depending on the matrix
(composition of propolis sample)

valid from 26.02.2020