

Report ID	Report Date: 17/8/2021 Sample Code : 15649.210805/1920 Pages: 5
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Sample ID	Product: Honey Labeling from client: BATCH 190721 Sampling: By client Quantity: 400g Sample preservation: Ambient temperature Date of sample receipt: 5/8/2021 Dates of tests performance: 12-13/8/2021

	Parameter	Result	RL	Legislation Limit	Methods Code	Methods
1	Moisture (%w/w)	15,3	--	$\leq 20^{(1)}$	M01/F1Y13/OS	IHC 2002/ 1. Moisture, refractometry
2	Conductivity 20 ⁰ C (mS/cm)	0,644	--	$\leq 0,8^{(1)}$	M02/F1Y13/OS	IHC 2002/ 2. Electrical conductivity
3	Diastase Number (DN)	15,4	3,0	$\geq 8^{(1)}$	M06/F1Y13/AM	IHC 2002/ 6.2 Determination of diastase activity with Phadebas
4	Hydroxymethylfurfural (HMF) (mg/kg)	<2,0	2,0	$\leq 40^{(1)}$	M05/F1Y13/AM	IHC 2002/ 5.2 Determination of HMF after White
5	pH (20 ⁰ C)	3,81	--	--	M03/F1Y13/OS	IHC 2002/ 4. pH
6	Free acidity (meq acid/kg)	38,5	--	$\leq 50^{(1)}$	M04/F1Y13/OS	IHC 2002/ 4. Free acidity
7	Sugars Profile (%w/w)	69,2	--	⁽¹⁾	M08/F1Y13/OS	IHC 2002/ 7.2 HPLC-RI
	Glucose (% w/w)	31,6	0,2	≥ 60 as reducing sugars (sum)		
	Fructose (% w/w)	37,1	0,2	-		
	Maltose (% w/w)	<0,2	0,2	-		
	Sucrose (% w/w)	0,5	0,2	≤ 5		
8	Pesticides Residues (mg/kg)	Not detected <RL see Table 2	0,01	--	M21/GF/OS	GC/ECD/FPD/ NPD
9	Antibiotics Residues (mg/kg)	Not detected <RL see Table 1	10	--	M26/F1Y13/OS	HPLC/MS-MS

RL: Reporting Limit (Limit of Quantification of method). Methods that are accredited (ISO17025:2017) are described with “/AM” at the end of the method’s code. Methods out of the scope of accreditation are described with “/OS” at the end of the method’s code. Tests performed by subcontractors are identified by the symbol *. The accreditation number of the subcontractor is referred at the end of this report. All tests are performed in HELLASCHEM facilities, unless differently mentioned in the certificate of analysis.

Notes:

- (1) Greek Code of Food & Drinks, articles 67 & 67a for blossom honey
- (2) HARMONISED METHODS OF THE INTERNATIONAL HONEY COMMISSION, 2002

Table 1: Antibiotics Residues - Results

	Antibiotics	Results
1	Oxytetracycline dehydrate (µg/kg)	<10
2	Tetracycline hydrochloride (µg/kg)	<10
3	Chlorotetracycline.HCl (µg/kg)	<10
4	Doxycycline hydrochloride (µg/kg)	<10
5	Sulfadiazine (µg/kg)	<10
6	Sulfabenzamide (µg/kg)	<10
7	Sulfacetamide (µg/kg)	<10
8	Sulfachloropyridazine (µg/kg)	<10
9	Sulfaclozine (µg/kg)	<10
10	Sulfadimethoxine (µg/kg)	<10
11	Sulfadoxine (µg/kg)	<10
12	Sulfaguanidine (µg/kg)	<10
13	Sulfamerazine (µg/kg)	<10
14	Sulfameter (µg/kg)	<10
15	Sulfamethazine (µg/kg)	<10
16	Sulfamethizole (µg/kg)	<10
17	Sulfamethoxazole (µg/kg)	<10
18	Sulfamethoxypyridazine (µg/kg)	<10
19	Sulfamonomethoxine (µg/kg)	<10
20	Sulfanitran (µg/kg)	<10
21	Sulfapyridine (µg/kg)	<10
22	Sulfaquinoxaline (µg/kg)	<10
23	Sulfathiazole (µg/kg)	<10
24	Sulfisoxazole (µg/kg)	<10
25	Chloramphenicol (µg/kg)	<10
26	Fumagillin (µg/kg)	<10
27	Flumequine (µg/kg)	<10
28	Trimethoprim (µg/kg)	<10
29	Penicillin G (µg/kg)	<10
30	Penicillin V (µg/kg)	<10
31	Natamycin (µg/kg)	<10

Table 2: Pesticides Residues – Results

	Pesticides	Results		Pesticides	Results
1	Acephate	<0,010ppm	41	Crimidine	<0,010ppm
2	Acetochlor	<0,010ppm	42	Cyanazine	<0,010ppm
3	Acrinanthrin	<0,010ppm	43	Cymoxanil	<0,010ppm
4	Alachlor	<0,010ppm	44	Cyfluthrin	<0,010ppm
5	Aldicarb sulfone	<0,010ppm	45	Cyhalothrin –λ	<0,010ppm
6	Aldicarb sulfoxide	<0,010ppm	46	Cymiazol	<0,010ppm
7	Aldrin	<0,010ppm	47	Cypermethrin	<0,010ppm
8	Ametryn	<0,010ppm	48	DDD - op	<0,010ppm
9	Amitraz	<0,010ppm	49	DDD - pp	<0,010ppm
10	Atrazine	<0,010ppm	50	DDE - op	<0,010ppm
11	Azinphos ethyl	<0,010ppm	51	DDE - pp	<0,010ppm
12	Azinphos methyl	<0,010ppm	52	DDT - o,p	<0,010ppm
13	Benfularin	<0,010ppm	53	DDT - p,p	<0,010ppm
14	Benfuracarb	<0,010ppm	54	Deltamethrin	<0,010ppm
15	Benomyl	<0,010ppm	55	Demeton S methyl	<0,010ppm
16	Bifenox	<0,010ppm	56	Desmedipham	<0,010ppm
17	Bifenthrin	<0,010ppm	57	Desmetryn	<0,010ppm
18	Bromophos ethyl	<0,010ppm	58	Diazinon	<0,010ppm
19	Bromophos methyl	<0,010ppm	59	Dichlorvos	<0,010ppm
20	Bromopropylate	<0,010ppm	60	Dicrotophos	<0,010ppm
21	Cadusaphos	<0,010ppm	61	Dieldrin	<0,010ppm
22	Captafol	<0,010ppm	62	Dimethoate	<0,010ppm
23	Captan	<0,010ppm	63	Dimoxystrobin	<0,010ppm
24	Carbaryl	<0,010ppm	64	Diniconazole	<0,010ppm
25	Carbendazim	<0,010ppm	65	Dinitramine	<0,010ppm
26	Carbofuran	<0,010ppm	66	Dinocap	<0,010ppm
27	Chlordan - cis	<0,010ppm	67	Ditalimfos	<0,010ppm
28	Chlordan - trans	<0,010ppm	68	Ditalimfos	<0,010ppm
29	Chlordinafop	<0,010ppm	69	Endosulfan- a	<0,010ppm
30	Chlorfenapyr	<0,010ppm	70	Endosulfan- b	<0,010ppm
31	Chlorfenvinphos	<0,010ppm	71	Endosulfan sulfate	<0,010ppm
32	Chlorobezilate	<0,010ppm	72	Endrin	<0,010ppm
33	Chlorothalonil	<0,010ppm	73	Esfenvalerate	<0,010ppm
34	Chlorpyrifos	<0,010ppm	74	Etaconazole	<0,010ppm
35	Chlorpyrifos methyl	<0,010ppm	75	Ethalfluralin	<0,010ppm
36	Climbazol	<0,010ppm	76	Ethion	<0,010ppm
37	Clothianidine	<0,010ppm	77	Ethionfencarb	<0,010ppm
38	Coumaphos	<0,010ppm	78	Ethoprophos	<0,010ppm
39	Crimidine	<0,010ppm	79	Etoxazol	<0,010ppm
40	Cyanazine	<0,010ppm	80	Fenbuconazole	<0,010ppm

	Pesticides	Results		Pesticides	Results
81	Fenhexamid	<0,010ppm	121	Meptyldinocap	<0,010ppm
82	Fenamiphos	<0,010ppm	122	Metamitron	<0,010ppm
83	Fenamiphos sulfone	<0,010ppm	123	Metazachlor	<0,010ppm
84	Fenarimol	<0,010ppm	124	Methacrifos	<0,010ppm
85	Fenitrothion	<0,010ppm	125	Methamidophos	<0,010ppm
86	Fenphos sulfoxide	<0,010ppm	126	Methoxychlor	<0,010ppm
87	Fensulfothion	<0,010ppm	127	Metribuzin	<0,010ppm
88	Fenthion	<0,010ppm	128	Mirex	<0,010ppm
89	Fenthion sulfone	<0,010ppm	129	Monocritophos	<0,010ppm
90	Fenthion sulfoxide	<0,010ppm	130	Nitrofen	<0,010ppm
91	Fenvalerate	<0,010ppm	131	Nuarimol	<0,010ppm
92	Fluazinam	<0,010ppm	132	Ofurace	<0,010ppm
93	Flucythrinate	<0,010ppm	133	Omethoate	<0,010ppm
94	Fludioxonil	<0,010ppm	134	Oxyfluorfen	<0,010ppm
95	Flumethrin	<0,010ppm	135	Paclobutrazole	<0,010ppm
96	Fluopicolide	<0,010ppm	136	Parathion	<0,010ppm
97	Fonofos	<0,010ppm	137	Parathion methyl	<0,010ppm
98	Formothion	<0,010ppm	138	Penconazole	<0,010ppm
99	Haloxypop	<0,010ppm	139	Pendimethalin	<0,010ppm
100	HCH - a	<0,010ppm	140	Permethrin	<0,010ppm
101	HCH - b	<0,010ppm	141	Phenmedipham	<0,010ppm
102	HCH - d	<0,010ppm	142	Phorate	<0,010ppm
103	HCH - e	<0,010ppm	143	Phosmet	<0,010ppm
104	Heptachlor	<0,010ppm	144	Phosphamidon	<0,010ppm
105	Heptachlor cis epoxide	<0,010ppm	145	Picolinafen	<0,010ppm
106	Heptachlor trans epoxide	<0,010ppm	146	Picoxystrobin	<0,010ppm
107	Hexachlorobenzene	<0,010ppm	147	Piperonyl butoxide	<0,010ppm
108	Hexaflumuron	<0,010ppm	148	Pirimicarb	<0,010ppm
109	Iprodione	<0,010ppm	149	Pirimiphos methyl	<0,010ppm
110	Isodrin	<0,010ppm	150	Procymidone	<0,010ppm
111	Isoproturon	<0,010ppm	151	Profoxydim	<0,010ppm
112	Isoxaflutole	<0,010ppm	152	Prometon	<0,010ppm
113	Kresoxim methyl	<0,010ppm	153	Prometryn	<0,010ppm
114	Lenacil	<0,010ppm	154	Propaquizafop	<0,010ppm
115	Lindane (ghch)	<0,010ppm	155	Propargyl	<0,010ppm
116	Malathion	<0,010ppm	156	Propazine	<0,010ppm
117	Methidathion	<0,010ppm	157	Propham	<0,010ppm
118	Mecarbam	<0,010ppm	158	Propiconazol	<0,010ppm
119	Mecarbam	<0,010ppm	159	Proquinazid	<0,010ppm
120	Mepronil	<0,010ppm	160	Pyrethrins	<0,010ppm

	Pesticides	Results		Pesticides	Results
161	Pyridaben	<0,010ppm	171	Tebuconazole	<0,010ppm
162	Pyrifenox	<0,010ppm	172	Tetradifon	<0,010ppm
163	Quinalphos	<0,010ppm	173	Triadimefon	<0,010ppm
164	Quinoxifen	<0,010ppm	174	Triazophos	<0,010ppm
165	Quintozene	<0,010ppm	175	Triflumizole	<0,010ppm
166	Sethoxydim	<0,010ppm	176	Trifluralin	<0,010ppm
167	Simazine	<0,010ppm	177	Triticonazol	<0,010ppm
168	Spirodiclofen	<0,010ppm	178	Vamidotion	<0,010ppm
169	Spirodiclofen	<0,010ppm	179	Vinchlozoline	<0,010ppm
170	Tau - fluvalinate	<0,010ppm	180	Zoxamide	<0,010ppm

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HELLASCHEM
Nikiforos Iliopoulos
HELLASCHEM Manager

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-- END OF CERTIFICATE OF ANALYSIS --

Page of certificate of analysis of sample with sample code: 15649.210805/1920