CERTIFICATE OF ANALYSIS

Report ID	**Report Date:** 18/6/2025 **Sample Code :** 35950.250526/1920 **Pages:** 7
Client ID	**Company:** BIO-SOLEA **Address:** 58 Athalassas Avenue Danae Court, 1st Floor CY - 2023 Nicosia, Cyprus PO.Box: 24511. CY-2063 **Phone number:** +357 99227123 **Fax:** **Email:** info@biosolea.com
Sample ID	**Product:** Honey **Labeling from client:** sample 10/5/25 **Sampling:** By client **Quantity:** 500g **Sample preservation:** Ambient temperature **Date of sample receipt:** 26/5/2025 **Dates of tests performance:** 2-13/6/2025

	Parameter	Result	RL	Legislation Limit	Method's Code	Method
1	Moisture (%w/w)	16,5	--	≤20(1)	M01/F1Y13/OS	IHC / 1. Moisture, refractometry
2	Conductivity 20^{0}C (mS/cm)	0,225	--	--	M02/F1Y13/OS	IHC 2002/ 2. Electrical conductivity
3	Diastase Number (DN)	14,3	3,0	≥8(1)	M06/F1Y13/AM	IHC / 6.2 Determination of diastase activity with Phadebas
4	Hydroxymethylfurfu-ral (HMF) (mg/kg)	<2,0	2,0	≤40(1)	M05/F1Y13/AM	IHC / 5.2 Determination of HMF after White
5	pH (20^{0}C)	4,2	--	--	M03/F1Y13/OS	IHC / 4. Ph
6	Free acidity (meq acid/kg)	35	--	<50(1)	M04/F1Y13/OS	IHC / 4. Free acidity
7	Glucose (%w/w)	32,0	0,2	≥60 as reducing sugars (sum)(1)	M08/F1Y13/OS	IHC 2002/ 7.2 HPLC-RI
	Fructose (%w/w)	36,8	0,2			
	Maltose (%w/w)	1,8	0,2	--		
	Sucrose (%w/w)	0,7	0,2	≤5(1)		
8	Pesticides Residue (mg/kg)	<RL see Table 2	--	--	M15/F1Y13/OS	GC/ECD/FPD/NPD
9	Antibiotics Residue (μg/kg)	<RL see Table 3	--	nd(4)	M26/F1Y13/OS	HPLC/MS-MS
10	Dominant pollen in nectariferous pollen %	Fabaceae - legumino-sae 41,2% see Table 1	--	--	M07/F1Y13/AM	Harmonized methods of melissopalynology. Apidologie, 35:18-25 (2004)

RL: Reference Limit 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 to 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, Directive (EC) 110/2001
(2) HARMONISED METHODS OF THE INTERNATIONAL HONEY COMMISSION
(3) Regulation 1881/2006/EC and its amendments
(4) Regulation 37/2010/EC and its amendments
(5) Legislation limits for thyme honey in Cyprus

Table 1: Pollen analysis

Number of pollen (pew 10g of honey)	3100
Dominant pollen (% of nectariferous)	Fabaceae -leguminosae 41,2%
Nectariferous pollen species (%)	

Nectariferous pollen	%
Acanthaceae	26,2
Apiaceae - umbelifeae	8,0
Brassicaceae	16,8
Fabaceae -leguminosae	41,2
Rutaceae	2,2
Rosaceae	5,0

Table 2: Pesticides Residue - Results

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

	Pesticides	Results		Pesticides	Results

71	Endosulfan sulfate	<0,010ppm
72	Endrin	<0,010ppm
73	Esfenvalerate	<0,010ppm
74	Etaconazole	<0,010ppm
75	Ethalfluralin	<0,010ppm
76	Ethion	<0,010ppm
77	Ethionfencarb	<0,010ppm
78	Ethoprophos	<0,010ppm
79	Etoxazol	<0,010ppm
80	Fenbuconazole	<0,010ppm
77	Ethionfencarb	<0,010ppm
78	Ethoprophos	<0,010ppm
79	Etoxazol	<0,010ppm
80	Fenbuconazole	<0,010ppm
81	Fenhexamid	<0,010ppm
82	Fenamiphos	<0,010ppm
83	Fenamiphos sulfone	<0,010ppm
84	Fenarimol	<0,010ppm
85	Fenitrothion	<0,010ppm
86	Fenphos sulfoxide	<0,010ppm
87	Fensulfothion	<0,010ppm
88	Fenthion	<0,010ppm
89	Fenthion sulfone	<0,010ppm
90	Fenthion sulfoxide	<0,010ppm
91	Fenvalerate	<0,010ppm
92	Fluazinam	<0,010ppm
93	Flucythrinate	<0,010ppm
94	Fludioxonil	<0,010ppm
95	Flumethrin	<0,010ppm
96	Fluopicolide	<0,010ppm
97	Fonofos	<0,010ppm
98	Formothion	<0,010ppm
99	Haloxyfop	<0,010ppm
100	HCH - a	<0,010ppm
101	HCH - b	<0,010ppm
102	HCH - d	<0,010ppm
103	HCH - e	<0,010ppm
104	Heptachlor	<0,010ppm
105	Heptachlor cis epoxide	<0,010ppm
106	Heptachlor trans epoxide	<0,010ppm
107	Hexachlorobenzene	<0,010ppm
108	Hexaflumuron	<0,010ppm
109	Iprodione	<0,010ppm
110	Isodrin	<0,010ppm
111	Isoproturon	<0,010ppm
112	Isoxaflutole	<0,010ppm
113	Kresoxim methyl	<0,010ppm
114	Lenacil	<0,010ppm
163	Quinalphos	<0,010ppm

115	Lindane (ghch)	<0,010ppm
116	Malathion	<0,010ppm
117	Methidathion	<0,010ppm
118	Mecarbam	<0,010ppm
119	Mecarbam	<0,010ppm
120	Mepronil	<0,010ppm
121	Meptyldinocap	<0,010ppm
122	Metamitron	<0,010ppm
123	Metazachlor	<0,010ppm
124	Methacrifos	<0,010ppm
125	Methamidophos	<0,010ppm
126	Methoxychlor	<0,010ppm
127	Metribuzin	<0,010ppm
128	Mirex	<0,010ppm
129	Monocritophos	<0,010ppm
130	Nitrofen	<0,010ppm
131	Nuarimol	<0,010ppm
132	Ofurace	<0,010ppm
133	Omethoate	<0,010ppm
134	Oxyfluorfen	<0,010ppm
135	Paclobutrazole	<0,010ppm
136	Parathion	<0,010ppm
137	Parathion methyl	<0,010ppm
138	Penconazole	<0,010ppm
139	Pendimethalin	<0,010ppm
140	Permethrin	<0,010ppm
141	Phenmedipham	<0,010ppm
142	Phorate	<0,010ppm
143	Phosmet	<0,010ppm
144	Phosphamidon	<0,010ppm
145	Picolinafen	<0,010ppm
146	Picoxystrobin	<0,010ppm
147	Piperonyl butoxide	<0,010ppm
148	Pirimicarb	<0,010ppm
149	Pirimiphos methyl	<0,010ppm
150	Procymidone	<0,010ppm
151	Profoxydim	<0,010ppm
152	Prometon	<0,010ppm
153	Prometryn	<0,010ppm
154	Propaquizafop	<0,010ppm
155	Propargyl	<0,010ppm
156	Propazine	<0,010ppm
157	Propham	<0,010ppm
158	Propiconazol	<0,010ppm
159	Proquinazid	<0,010ppm
160	Pyrethrins	<0,010ppm
161	Pyridaben	<0,010ppm
162	Pyrifenox	<0,010ppm
172	Tetradifon	<0,010ppm

164	Quinoxyfen	<0,010ppm
165	Quintozene	<0,010ppm
166	Sethoxydim	<0,010ppm
167	Simazine	<0,010ppm
168	Spirodiclofen	<0,010ppm
169	Spirodiclofen	<0,010ppm
170	Tau - fluvalinate	<0,010ppm
171	Tebuconazole	<0,010ppm

173	Triadimefon	<0,010ppm
174	Triazophos	<0,010ppm
175	Triflumizole	<0,010ppm
176	Trifluralin	<0,010ppm
177	Triticonazol	<0,010ppm
178	Vamidothion	<0,010ppm
179	Vinchlozoline	<0,010ppm
180	Zoxamide	<0,010ppm

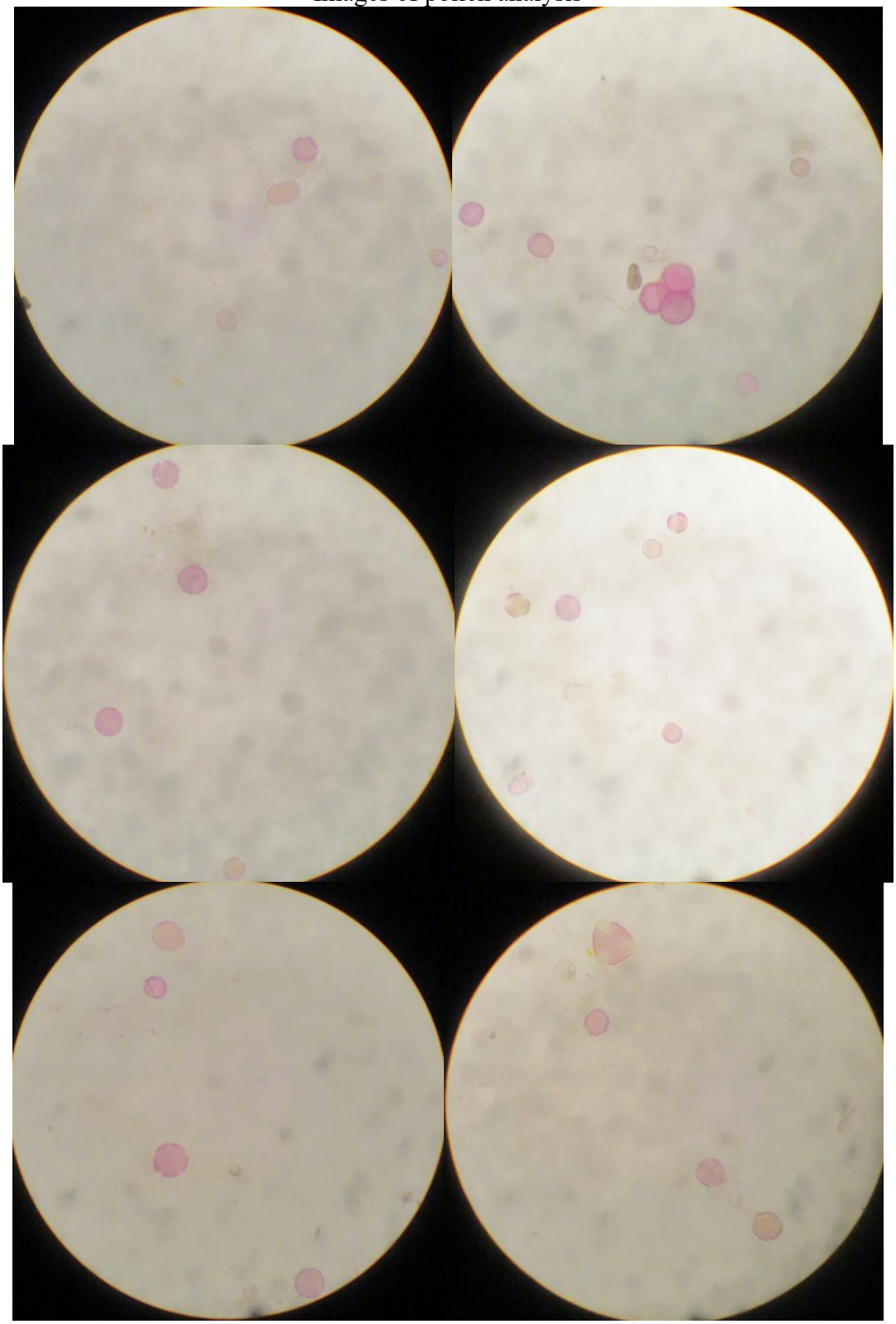
*Amitraz & its metabolites

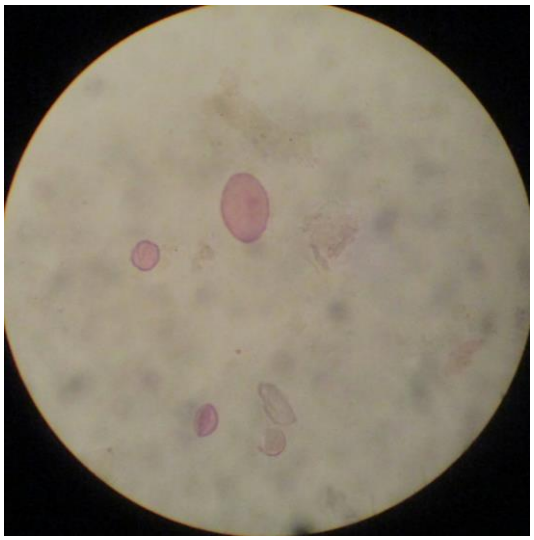
	Amitraz analysis	Results
1	Amitraz	<0,010ppm
2	DMF	<0,010ppm
3	DMPF	<0,010ppm
4	Amitraz total	<0,010ppm

Table 3: Antibiotics Residue – Results

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

Images of pollen analysis





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