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Castco LRN: 210202-3167

**Sample details as supplied by customer:-**

Customer: Birmingham Food Products Limited

Customer Ref. No.: --

Address: Unit 11, 3/F., Sing Win Factory Building, 15-17 Shing Yip Street, Kwun Tong, Kowloon, Hong Kong

Job Title: --

Contract No.: --

Sample Description: 茗慶堂 - 鐵觀音

Sample / Batch no.: --

Manufacturer: --

Date Sampled: --

**Laboratory Test Results:-**

Date of sample received: 02-02-2021

Test period: 02-02-2021 to 11-02-2021

Method(s) used:

1 - 313 In-house method by High performance Liquid Chromatography - Tandem Mass Spectroscopy (LC-MSMS)  
Gas Chromatography-Tandem Mass Spectroscopy (GC-MSMS)

## 1) Pesticides Residue Test

Analyte(s) which are <b>not detected</b> in the sample:					
1	2-(Thiocyanomethyl-thio)benzothiazole (TCMTB) 2-硫氰基甲基硫代苯並噻唑(苯噻甯)	19	Anilazine 敵菌靈	37	Butocarboxim 丁酮威
2	(E)-mevinphos 順式速滅磷	20	Atrazine 阿特拉津	38	Butylate 丁草特
3	(z)-mevinphos 反式速滅磷	21	Atrazine desisopropyl 氟氯氮菊脂(去異丙基莠去津)	39	Cadusafos 硫線磷
4	2,6-dichlorobenzamide 2,6-二氯苯甲酰胺	22	Atrazine-desethyl-desisopropyl 2-氯-4,6-二氯-1,3,5-三嗪	40	Carbaryl 西維因
5	3-hydroxycarbofuran 3-羥基呋喃丹	23	Azinphos-methyl 保棉磷	41	Carbendazim 多菌靈
6	Acephate 乙酰甲胺磷	24	Azoxystrobin 啞菌酯	42	Carbofuran 呋喃丹
7	Acetamiprid 啞蟲脞	25	Benalaxyl 苯霜靈	43	Carbophenothion 三硫磷
8	Acibenzolar-S-Methyl S-甲基苯并[1,2,3]噻二唑-7- 硫代羧酸酯	26	Benfluralin 氟草胺	44	Carbosulfan 丁硫克百威
9	Acifluorfen 三氟羧草醚	27	Benfuracarb 丙硫克百威	45	Carfentrazone free acid 三唑酮草酯
10	Alachlor 甲草胺	28	Benomyl 苯菌靈	46	Carfentrazone-ethyl 氟酮唑草
11	Aldicarb 涕滅威	29	Beta-endosulfan β-硫丹	47	Chlorantraniliprole 氯蟲苯甲酰胺
12	Aldicarb sulfone 涕滅威砒	30	Beta-HCH β-六六六	48	Chlorbenzuron 滅幼脲
13	Aldicarb sulfoxide 涕滅威亞砒	31	Bifenthrin 聯苯菊酯	49	Chlorethoxyfos 氯氧磷
14	Aldrin 艾氏劑	32	Bitertanol 聯苯三唑醇	50	Chlorfenapyr 溴蟲腓
15	alpha-Endosulfan α-硫丹	33	Boscalid 啞酰菌胺	51	Chlorfenvinphos 毒蟲畏
16	Alpha-HCH α-六六六	34	Bromacil 除草定	52	Chlorimuron Ethyl 氯嘧黃隆
17	Ametryn 莠滅淨	35	Bromopropylate 溴螞酯	53	Chlorothalonil 百菌清
18	Amitraz 雙甲脒	36	Buprofenzin 噻嗪酮	54	Chlorpropham 氯苯胺灵

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**Laboratory Test Results (cont'd):**

Analyte(s) which are <u>not detected</u> in the sample:					
55	Chlorpyrifos 毒死蜱	83	Dicrotophos 倍硫磷	111	Fenamiphos 苯線磷
56	Chlorpyrifos methyl 甲基毒死蜱	84	Dioldrin 狄氏劑	112	Fenamiphos sulphone 苯胺磷磺
57	Chlorsulfuron 氯磺隆	85	Difenoconazole 苯醚甲環唑	113	Fenamiphos sulphoxide 苯線磷亞磺
58	cis-Chlordane 順氯丹	86	Difenzoquat 野燕枯	114	Fenarimol 氯苯嘧啶醇
59	Clodinafop 游離炔草酸	87	Diflubenzuron 氟脲殺	115	Fenbuconazole 腈苯唑
60	Clodinafop propargyl 炔草酸	88	Dimethenamid 二甲吩草胺	116	Fenbutatin Oxide 苯丁錫
61	Clomazone 異惡草酮	89	Dimethenamid-P 甲酚噻草胺-P	117	Fenchlorphos 皮蠅磷
62	Clothianidin 1-(2-氯-5-噻唑基甲基)-3-甲基-2-硝基胍	90	Dimethipin 噻節因	118	Fenhexamid 環酰菌胺
63	Coumaphos 蠅毒磷	91	Dimethoate 樂果	119	Fenitrothion 殺螟松
64	Coumaphos-oxo 蠅毒磷-OXON	92	Dimethomorph 烯酰嗎啉	120	Fenobucarb (BPMC) 仲丁威 (BPMC)
65	Crufomate 克蘆磷脂	93	Diniconazole 烯唑醇	121	Fenpropathrin 甲氰菊酯
66	Cycloate 草滅特	94	Dinotefuran 呋蟲胺	122	Fenpropimorph 順-4-叔丁基苯基(-2-甲基丙基)-2,6-二甲基嗎啉
67	Cyfluthrin 高效氟氯氰菊酯	95	Diphenylamine 二苯胺	123	Fenpyroximate 吡嘧啶
68	Cyhalothrin 氯氟氰菊酯	96	Disulfoton 乙拌磷	124	Fensulfothion 苯胺磷
69	Cymoxanil 霜脲氰	97	Dodine 多果定	125	Fenthion 倍硫磷
70	Cypermethrin 氯氰菊酯	98	Edifenphos 克瘟散	126	Fenthion oxon 氧倍硫磷亞磺
71	Cyproconazole 環丙唑醇	99	Endosulfan sulphate 硫丹硫酸酯	127	Fenthion sulphones 倍硫磷磺
72	Cyprodinil 噻菌環胺	100	Endrin 異狄氏劑	128	Fenthion sulphoxides 倍硫磷亞磺
73	delta-HCH δ-六六六	101	Esfenvalerate 順式氟戊菊酯	129	Fenvalerate 氟戊菊酯
74	delta-keto-endrin δ-異狄氏劑酮	102	Ethalfuralin 丁氟消草	130	Fipronil 氟蟲腓
75	Deltamethrin 溴氰菊酯	103	Ethiofencarb 乙硫苯威	131	Fluazifop acid 吡氯禾草靈酸
76	demeton-S-methylsulphon 茅草枯	104	Ethion 乙硫磷	132	Fluazifop-butyl 吡氯禾草靈丁酯
77	demeton-S-methyl 內吸磷-S-甲基	105	Ethoprophos 滅克磷	133	Fluazinam 氟啶胺
78	Diazinon 二嗪磷	106	Ethoxyquin 乙氧基喹啉	134	Flubendiamide 氟蟲雙酰胺
79	Dichlobenil 2,6-二氯苄腈	107	Etofenprox 醚菊酯	135	Flucythrinate 氟氯戊菊酯
80	Dichlorvos 敵敵畏	108	Etoazole 依殺蟻	136	Flufenoxuron 氟蟲脲
81	Diclofluanid 抑菌靈	109	Famoxadone 惡唑菌酮	137	Flumethrin 氟氯苯菊酯
82	Dicloran 2,6-二氯-4-硝基苯胺	110	Fenamidone 咪唑菌酮	138	Flumioxazin 丙炔氟草胺

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**Laboratory Test Results (cont'd):**

Analyte(s) which are <b>not detected</b> in the sample:					
139	Fluopicolide 氟啶酰菌胺	168	Lambda-cyhalothric acid Z-(1R,S)-顺式-2,2-二甲基-3-(2- 氯-3,3,3-三氟-1-丙烯基)环丙烷羧酸	197	Novaluron 雙苯氟脲
140	Fluopyram 氟吡菌酰胺	169	Lindane 林丹( $\gamma$ -六六六)	198	o,p'-DDD o,p'-滴滴涕
141	Fluridone 氟啶酮	170	Malathion 馬拉硫磷	199	o,p'-DDE o,p'-滴滴伊
142	Flusilazole 氟硅唑	171	Mandipropamid 雙炔酰菌胺	200	o,p'-DDT O,p'-滴滴涕
143	Fluthiacet methyl 噻草酸甲酯	172	Mesotrione 甲基磺草酮	201	o,p'-Dicofol o,p'-三氯殺蟻醇
144	Flutriafol 粉唑醇	173	Metalaxyl 甲霜林	202	Omethoate 氧化樂果
145	Fluvalinate 氟胺氰菊脂	174	Metconazole 葉菌唑	203	Oryzalin 氮磺樂靈
146	Folpet 滅菌丹	175	Methamidophos 甲胺磷	204	Oxadiazon 惡草酮
147	Fomesafen 氟磺胺草醚	176	Methidathion 殺撲磷	205	Oxamyl 殺線威
148	Formetanate hydrochloride 伐蟲脞鹽酸鹽	177	Methiocarb 甲硫威	206	Oxamyl oxime 殺線威肝
149	Fosthiazate 噻唑磷	178	Methiocarb sulphone 甲硫威磺	207	Oxy-chlordane 氧化氯丹
150	Halosulphuron-methyl 氟吡嘧磺隆	179	Methiocarb sulphoxide 滅梭威亞磺	208	Oxydemeton methyl 嘑吸磷
151	Heptachlor 七氯	180	Methomyl 滅多蟲	209	Oxyfluorfen 乙氧氟草醚
152	Heptachlor epoxide 環氧七氯	181	Methoxychlor 甲氧滴滴涕	210	p,p'-DDD p,p'-滴滴涕
153	Hexachlorobenzene 六氯苯	182	Methoxyfenozide 甲氧虫酰肼	211	p,p'-DDE p,p'-滴滴伊
154	Hexythiazox 噻蟻酮	183	Metolcarb 甲基碳酸酯	212	p,p'-DDT p,p'-滴滴涕
155	Imazalil 抑菌唑	184	Metrafenone 苯菌酮	213	p,p'-Dicofol p,p'-三氯殺蟻醇
156	Imazethapyr 咪唑乙烟酸	185	Metribuzin 噻草酮	214	Paclobutrazol 多效唑
157	Indoxacarb 茚蟲威	186	Mevinphos 反式速滅磷	215	Parathion 對硫磷
158	Ipconazole 種菌唑	187	Mirex 滅蟻靈	216	Parathion methyl 甲基對硫磷
159	Iprodione 異菌脲	188	Molinate 禾草敵	217	PCA 膦基聚羧酸
160	Isocarbophos 水胺硫磷	189	Monocrotophos 久效磷	218	PCAS 五氯甲氧基苯
161	Isofenphos 異柳磷	190	Myclobutanil 腈菌唑	219	PCNB 五氯硝基苯
162	Isofenphos-methyl 甲基異硫磷	191	Naled 二溴磷	220	Penconazole 戊菌唑
163	Isoprocarb 異丙威	192	Napropamide 敵草胺	221	Pendimethalin 二甲戊靈
164	Isoprothiolane 稻瘟靈	193	Naptalam 抑草生	222	Penoxsulam 五氟磺草胺
165	Isoxaben 異噁酰草胺	194	Nicosulfuron 烟嘧磺隆	223	Permethrin 氯菊酯
166	Kresoxim Methyl 醚菌酯	195	Norflurazon 達草呋	224	Phenmedipham 甜菜寧
167	Lactofen 乳氟禾草靈	196	Norflurazon-desmethyl 氟草敏-脫甲基		

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**Laboratory Test Results (cont'd):**

Analyte(s) which are <b>not detected</b> in the sample:					
225	Phenthoate 稻豐散	255	Pyrimethanil 嘜霉胺	285	Terbufos sulfoxide 特丁磷亞砒
226	Phorate 甲拌磷	256	Pyriproxyfen 吡丙醚	286	Tetrachlorvinphos 殺蟲畏
227	Phorate sulphone 甲拌磷砒	257	Quinalphos 啞硫磷	287	Tetraconazole 氟醚唑
228	Phorate sulphoxide 甲拌磷亞砒	258	Quinoxifen 啞氧靈	288	Tetradifon 三氯殺蟎砒
229	Phoratoxon 甲拌磷	259	Quintozene 五氯硝基苯	289	Thiabendazole 噻菌靈
230	Phosalone 伏殺磷	260	Quizalofop ethyl 啞禾靈	290	Thiacloprid 噻蟲啉
231	Phosmet 亞胺硫磷	261	Quizalofop-p 精啞禾靈	291	Thiamethoxam 噻蟲嗪
232	Phosphamidon 磷胺	262	Rimsulfuron 砒啞磺隆	292	Thiocyclam 殺蟲環
233	Phoxim 辛硫磷	263	Semiamitraz 單甲脒	293	Thiodicarb 滅多威
234	Piperonyl butoxide 增效醚	264	Simazine 西瑪津	294	Thiophanate-methyl 甲基硫菌靈
235	Pirimicarb 抗蚜威	265	Spinetoram 乙基多殺菌素	295	Tolclofos-methyl 甲基立枯磷
236	Pirimiphos methyl 甲基啞啞磷	266	Spinosyn A 多殺菌素A	296	Tolyfluand 甲苯氟磺胺
237	Procymidone 腐霉利	267	Spinosyn D 催殺 D	297	Topramezone 吡草磺
238	Profenofos 丙溴磷	268	Spirodiclofen 螺蟎酯	298	Tralkoxydim 三甲苯草酮
239	Promecarb 猛殺威	269	Spiromesifen 螺甲蟎酯	299	trans-Chlordane 反式氯丹
240	Prometryne 扑草淨	270	Spiromesifen alcohol 螺甲蟎酯代謝物 M01	300	Triadimefon 三唑酮
241	Propamocarb 霜霉威	271	Spirotetramat 螺蟲乙酯	301	Triadimenol 三唑醇
242	Propanil 敵稗	272	Spirotetramet enol 螺蟲乙酯烯醇	302	Triazophos 三唑磷
243	Propargite 炔蟎特	273	Spiroxamine 螺噁茂胺	303	Tribufos 1,2,4-三丁基三硫磷酸酯
244	Propiconazole 丙環唑	274	Sulfotep 治螟磷	304	Trichlorfon 敵百蟲
245	Propoxur 殘殺威	275	Tebuconazole 戊唑醇	305	Tricyclazole 三環唑
246	Prothioconazole 丙硫菌唑	276	Tebufenozide 蟲酰肼	306	Trifloxystrobin 肟菌酯
247	Prothioconazole-desthio 脫硫丙硫菌唑	277	Tecnazene 四氯硝基苯	307	Trifloxysulfuron 三氟啞磺隆
248	Prothiofos 丙硫磷	278	Teflubenzuron 氟苯脲	308	Trifluralin 氟樂靈
249	Pymetrozine 吡蚜酮	279	Tefluthrin 七氟菊酯	309	Triflusulfuron methyl 氟啞磺隆
250	Pyraclostrobin 百克敏	280	Terbufos 特丁磷	310	Uniconazole 烯效唑
251	Pyrazophos 定菌磷	281	Terbufos oxon 氧特丁硫磷	311	Vamidithion 蚜滅多
252	Pyrethrins 除蟲菊酯	282	Terbufos oxon sulfone 氧特丁硫磷砒	312	Vinclozolin 乙炔菌核利
253	Pyridaben 噠蟎靈	283	Terbufos oxon sulfoxide 氧特丁硫磷亞砒	313	Zoxamide 苯酰菌胺
254	Pyridalyl 啞蟲丙醚	284	Terbufos sulfone 特丁磷砒		

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### Laboratory Test Results (cont'd):

Remark(s):

1. Test results only relate to the specimen tested.
2. The reporting limits of analytes are as follows respectively:

Terbufos oxon sulfone, Terbufos oxon sulfoxide, Terbufos oxon, Terbufos sulfone= 0.001mg/kg each.

Aldicarb; Terbufos ; Terbufos sulphoxide = 0.002 mg/kg each

demeton-S-methyl, demeton-S-methylsulphon, Oxydemeton methyl= 0.003mg/kg each.

Cadusafos, Carbendazim, delta-keto-endrin, Endrin, Fipronil, Heptachlor epoxide, Heptachlor, o,p'-Dicofol, p,p'-Dicofol, Spinosyn-A, Spinosyn-D, Thiophanate-methyl= 0.005mg/kg each.

Aldicarb sulfone= 0.008mg/kg.

2-(Thiocyanomethyl-thio)benzothiazole (TCMTB), 2,6-dichlorobenzamide, 3-hydroxycarbofuran, Acetamidrid, Alachlor, Aldicarb sulfoxide, Aldrin, alpha-Endosulfan, Alpha-HCH, Amitraz, Azoxystrobin, Benfluralin, Benfuracarb, Benomyl, Beta-endosulfan, Beta-HCH, Bifenthrin, Carbaryl, Carbofuran, Carfentrazone free acid, Chlorantraniliprole, Chlorethoxyfos, Chlorfenapyr, Chlorothalonil, cis-Chlordane, Clothianidin, Cyfluthrin, Cyhalothrin, Cypermethrin, Cyproconazole, delta-HCH, Deltamethrin, Diazinon, Dichlobenil, Dicloran, Dieldrin, Dimethenamid, Dimethenamid-P, Dimethipin, Dimethomorph, Endosulfan sulphate, Esfenvalerate, Ethalfluralin, Ethoprophos, Etofenprox, Fenamiphos sulphone, Fenamiphos sulphoxide, Fenamiphos, Fenpropathrin, Fenpyroximate, Fenthion oxon, Fenthion sulphones, Fenthion sulphoxides, Fenthion, Fenvalerate, Fluazinam, Flucythrinate, Flusilazole, Fluthiacet methyl, Folpet, Formetanate hydrochloride, Hexachlorobenzene, Ipconazole, Isoxaben, Lactofen, Lindane, Mandipropamid, Mesotrione, Metconazole, Methiocarb sulphone, Methiocarb sulphoxide, Methiocarb, Methomyl, Methoxychlor, Mirex, Monocrotophos, Novaluron, o,p'-DDD, o,p'-DDE, o,p'-DDT, Oxy-chlordane, p,p'-DDD, p,p'-DDE, p,p'-DDT, Parathion methyl, Parathion, PCA, PCAS, PCNB, Penoxsulam, Permethrin, Phorate sulphone, Phorate sulphoxide, Phorate, Phoratoxon, Pirimicarb, Procymidone, Propanil, Propiconazole, Quintozene, Rimsulfuron, Semiamitraz, Spinetoram, Spiromesifen alcohol, Spiromesifen, Tecnazene, Tefluthrin, Tetradifon, Thiamethoxam, Thiodicarb, Topramezone, trans-Chlordane, Thiencarbazone methyl, Topramezone, Trifloxysulfuron, Triflusulfuron methyl, Tecnazene, Tefluthrin, Trifluralin, Vinclozolin = 0.01mg/kg

Benalaxyl, Chlorbenzuron, Chlorimuron Ethyl, Etoazole, Famoxadone, Fenamidone, Fenhexamid, Flubendiamide, Flumioxazin, Fomesafen, Indoxacarb, Isocarbophos, Isofenphos-methyl, Methidathion, Methoxyfenozide, Oxamyl oxime, Oxamyl, Phosphamidon, Pymetrozine, Quizalofop ethyl, Quizalofop-p, Tebuconazole, Thiachloprid, Tralkoxydim, Trifloxystrobin, Zoxamide= 0.02mg/kg each.

Norflurazon, Norflurazon-desmethyl= 0.025mg/kg each.

lambda-Cyhalothric acid, Propargite, Quinoxifen, Spirodiclofen= 0.03mg/kg each.

Ametryn, Atrazine desisopropyl, Atrazine, Atrazine-desethyl-desisopropyl, Azinphos-methyl, Carbosulfan, Carfentrazone-ethyl, Chlorpyrifos methyl, Clomazone, Cycloate, Cymoxanil, Diniconazole, Fenarimol, Fenbuconazole, Fenpropimorph, Flumethrin, Halosulphuron-methyl, Hexythiazox, Kresoxim-Methyl, Metalaxyl, Methamidophos, Metribuzin, Omethoate, Oryzalin, Oxadiazon, Oxyfluorfen, Phosmet, Phoxim, Profenofos, Prometryne, Prothiofos, Pyrethrins, Pyrimethanil, Simazine, Teflubenzuron, Tetraconazole, Thiabendazole= 0.05mg/kg each.

(E)-mevinphos, (Z)-Mevinphos, Acephate, Acifluorfen, Bromacil, Buprofenzin, Butocarboxim, Butylate, Carbophenothion,



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Laboratory Test Results (cont'd):

Remark(s):

(E)-mevinphos, (Z)-Mevinphos, Acephate, Acifluorfen, Bromacil, Bupropfenzin, Butocarboxim, Butylate, Carbophenothion, Chlorfenvinphos, Chlorsulfuron, Clodinafop propargyl, Clodinafop, Coumaphos, Coumaphos-oxo, Crufomate, Dichlorvos, Diclofluanid, Dicrotophos, Difenzoquat, Dimethoate, Disulfoton, Edifenphos, Ethiofencarb, Ethion, Ethoxyquin, Fenchlorphos, Fenitrothion, Fenobucarb (BPMC), Fensulfothion, Fluazifop acid, Fluazifop-butyl, Fluridone, Fosthiazate, Imazalil, Imazethapyr, Iprodione, Isufenphos, Isoprocarb, Isoprothiolane, Malathion, Metolcarb, Mevinphos, Molinate, Myclobutanil, Naled, Napropamide, Naptalam, Nicosulfuron, Paclobutrazol, Penconazole, Pendimethalin, Phenmedipham Phenthoate, Phosalone, Pirimiphos methyl, Promecarb, Propoxur, Pyrazophos, Pyridaben, Pyriproxyfen, Quinalphos, Spirotetramat, Spirotetramat enol, Spiroxamine, Sulfotep, Tetrachlorvinphos, Thiocyclam, Tolclofos-methyl, Tribufos, Trichlorfon, Tricyclazole, Vamidothion= 0.1mg/kg each.

Prothioconazole, Prothioconazole-desthio= 0.15mg/kg each.

Diflubenzuron, Dodine, Fluopicolide, Flutriafol= 0.2mg/kg each.

Acibenzolar-S-Methyl= 0.25mg/kg.

Bitertanol, Boscalid, Bromopropylate, Chlorpropham, Cyprodinil, Dinotefuran, Fenbutatin Oxide, Flufenoxuron, Fluopyram, Fluvalinate, Metrafenone, Piperonyl butoxide, Propamocarb, Pyridalyl, Tebufenozide, Tolyfluanid= 0.3mg/kg each.

Diphenylamine= 1mg/kg.


Anilazine= 10mg/kg.

3. N.D. denotes as Not Detected, ppm denotes part per million.

4. Sample was prepared as per client's instructions:


150mL 100°C water was added into the content of 2g sample in a container for 3 minutes. Sample solution was used for testing.

Checked by :

  
Wong Chi Ho

Assistant Technical Manager

Certified by :

  
Lo Tim Lun

Senior Manager

End of report

Form No. FD ANALYSIS\_T1 dd 30/10/2015