

**Green Chilli test report format**

**Dated: 26<sup>th</sup> May 2017**

Sr. No.	Name of Chemicals/Pesticides detected	Residue Content(mg/kg)		Harmonized EU-MRL (mg/kg )	Equipment used for analysis	Limit of Quantification (LOQ) (mg/kg)
		Individual	Sum			
<b>1</b>	<b>1-Naphthylacetamide and 1-naphthylacetic acid (sum of 1-naphthylacetamide and 1-naphthylacetic acid and its salts, expressed as 1-naphthylacetic acid)</b>	<b>BLQ</b>	<b>BLQ</b>	<b>0.06</b>	<b>LC-MS/MS</b>	<b>0.02</b>
<b>1.1</b>	<b>1-Naphthylacetamide</b>	<b>BLQ</b>		<b>0.06</b>	<b>LC-MS/MS</b>	<b>0.02</b>
<b>1.2</b>	<b>1-naphthylacetic acid and its salts, expressed as 1-naphthylacetic acid</b>	<b>BLQ</b>		<b>0.06</b>	<b>LC-MS/MS</b>	<b>0.02</b>
2	4-bromo-2-chlorophenol (metabolite of Profenophos)	BLQ	BLQ	0.01*	GC-MS/MS	0.01*
<b>3</b>	<b>Abamectin (sum of avermectin B1a, avermectin B1b and delta-8,9 isomer of avermectin B1a)</b>	<b>BLQ</b>	<b>BLQ</b>	<b>0.07</b>	<b>LC-MS/MS</b>	<b>0.01</b>
4	Acephate	BLQ	BLQ	0.01*	LC-MS/MS	0.01
5	Acetamiprid	BLQ	BLQ	0.3	LC-MS/MS	0.01
6	Aldrin (Aldrin and dieldrin combined expressed as dieldrin)		BLQ	0.01*	GC-MS/MS	0.01*
6.1	Aldrin	BLQ		0.01*	GC-MS/MS	
6.2	Dieldrin	BLQ		0.01*	GC-MS/MS	
7	Allethrin and Bioallethrin	BLQ	BLQ	0.01*	GC-MS/MS	0.01*
8	Atrazine	BLQ	BLQ	0.05*	LC-MS/MS	0.01
9	Azadirachtin	BLQ	BLQ	1.00	LC-MS/MS	0.05
10	Azoxystrobin	BLQ	BLQ	3	LC-MS/MS	0.01
11	Bendiocarb	BLQ	BLQ	0.01*	GC-MS/MS	0.01*
12	Benomyl (see carbendazim)	BLQ	BLQ	0.1*	LC-MS/MS	0.01
13	Bifenthrin	BLQ	BLQ	0.05*	GC-MS/MS	0.01

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		Individual	Sum			
14	Bitertanol	BLQ	BLQ	0.01*	LC-MS/MS	0.01
15	Buprofezin	BLQ	BLQ	2.00	LC-MS/MS	0.01
16	Capropamid	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
17	Captafol	BLQ	BLQ	0.02*	GC-MS/MS	0.01
18	Captan	BLQ	BLQ	0.03	GC-MS/MS	0.01
19	Carbaryl	BLQ	BLQ	0.01*	LC-MS/MS	0.01
20	Carbendazim (including Benomyl)		BLQ	0.1	LC-MS/MS	0.01
20.1	Benomyl	BLQ		0.1	LC-MS/MS	
20.2	Carbendazim	BLQ		0.1	LC-MS/MS	
21	Carbofuran (sum of carbofuran (including any carbofuran generated from carbosulfan, benfuracarb or furathiocarb) and 3-OH carbofuran expressed as carbofuran) (R)		BLQ	0.002*	LC-MS/MS	0.002*
21.1	Carbofuran	BLQ		0.002*	LC-MS/MS	
21.2	3-hydroxy-carbofuran	BLQ		0.002*	LC-MS/MS	
21.3	Carbosulfan	BLQ		0.002*	LC-MS/MS	
21.4	Benfuracarb	BLQ		0.002*	LC-MS/MS	
22	Cartap hydrochloride	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
23	Chlorantraniliprole	BLQ	BLQ	1.00	LC-MS/MS	0.01
24	Chlordane (cis& trans)		BLQ	0.01*	GC-MS/MS	0.01*
24.1	cis-chlordane	BLQ		0.01*	GC-MS/MS	
24.2	trans-chlordane	BLQ		0.01*	GC-MS/MS	
25	Chlorfenapyr	BLQ	BLQ	0.01*	GC-MS/MS	0.01
26	Chlorfenvinphos	BLQ	BLQ	0.01*	GC-MS/MS	0.01
27	Chlorimuron ethyl	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
28	Chlormequat (CCC)	BLQ	BLQ	0.05*	LC-MS/MS	0.01
29	Chlorpropham (F) (R) (A)	BLQ	BLQ	0.01*	LC-MS/MS	0.01
30	Chlorpyrifos	BLQ	BLQ	0.01*	GC-MS/MS	0.01
31	Chlorpyrifos methyl	BLQ	BLQ	0.05	GC-MS/MS	0.01
32	Clothianidin	BLQ	BLQ	0.04	LC-MS/MS	0.01
33	Cyantraniliprole	BLQ	BLQ	1.5	LC-MS/MS	0.01*
34	Cyazofamid	BLQ	BLQ	0.01*	LC-MS/MS	0.01

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		Individual	Sum			
35	Cyfluthrin (including other mixtures of constituent isomers sum of isomers)	BLQ	BLQ	0.3	GC-MS/MS	0.01
35.1	Cyfluthrin 1	BLQ		0.3	GC-MS/MS	
35.2	Cyfluthrin 2	BLQ		0.3	GC-MS/MS	
35.3	Cyfluthrin 3	BLQ		0.3	GC-MS/MS	
35.4	Cyfluthrin 4	BLQ		0.3	GC-MS/MS	
36	Cymoxanil	BLQ	BLQ	0.01*	LC-MS/MS	0.01
37	Cypermethrin (including other mixtures of constituent isomers sum of isomers)	BLQ	BLQ	0.5	GC-MS/MS	0.01
37.1	Cypermethrin 1	BLQ		0.5	GC-MS/MS	
37.2	Cypermethrin 2	BLQ		0.5	GC-MS/MS	
37.3	Cypermethrin 3	BLQ		0.5	GC-MS/MS	
37.4	Cypermethrin 4	BLQ		0.5	GC-MS/MS	
38	Dazomet (Methylisothiocyanate resulting from the use of Dazomet and metam)	BLQ	BLQ	0.1*	LC-MS/MS	0.01
39	DDT (all isomers, sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) expressed as DDT)	BLQ	BLQ	0.05*	GC-MS/MS	0.01
39.1	p,p'-DDT	BLQ		0.05*	GC-MS/MS	
39.2	o,p'-DDT	BLQ		0.05*	GC-MS/MS	
39.3	p,p'-DDE	BLQ		0.05*	GC-MS/MS	
39.4	p,p'-TDE (DDD)	BLQ		0.05*	GC-MS/MS	
40	Deltamethrin	BLQ	BLQ	0.2	GC-MS/MS	0.01
41	Diafenthiuron	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
42	Diazinon	BLQ	BLQ	0.05*	LC-MS/MS	0.01
43	Dichlorvos	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
44	Dicofol (sum of p, p' and o,p' isomers)	BLQ	BLQ	0.02*	GC-MS/MS	0.01

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		Individual	Sum			
45	Dieldrin (see Aldrin)	BLQ	BLQ	0.01*	GC-MS/MS	0.01*
46	Difenoconazole	BLQ	BLQ	0.8	LC-MS/MS	0.01
47	Diflubenzuron	BLQ	BLQ	1.00	LC-MS/MS	0.01
48	Dimethachlor	BLQ	BLQ	0.02	LC-MS/MS	0.01
49	Dimethoate (Including Omethoate)		BLQ	0.02	LC-MS/MS	0.01
49.1	Dimethoate	BLQ		0.02	LC-MS/MS	
49.2	Omethoate	BLQ		0.02	LC-MS/MS	
50	Dimethomorph	BLQ	BLQ	1.00	LC-MS/MS	0.01
51	Dinocap (sum of dinocap isomers and their corresponding phenols expressed as dinocap)	BLQ	BLQ	0.02	LC-MS/MS	0.01
52	Dithiocarbamates (Mancozeb, Maneb, Propineb, Metiram, Thiram, Zineb and Ziram collectively estimated as CS2)	BLQ	BLQ	5.00	GC-MS	0.01
53	Dodine	BLQ	BLQ	0.01	LC-MS/MS	0.01
54	Emamectin Benzoate	BLQ	BLQ	0.02	LC-MS/MS	0.01
55	Endosulphan (All isomers, sum of <i>alpha</i> - and <i>beta</i> -isomers and endosulphan sulphate expressed as endosulphan)		BLQ	0.05	GC-MS/MS	0.01
55.1	alpha-Endosulphan	BLQ		0.05	GC-MS/MS	
54.2	beta-Endosulphan	BLQ		0.05	GC-MS/MS	
55.3	Endosulphan sulphate	BLQ		0.05	GC-MS/MS	
56	Endrin	BLQ	BLQ	0.01*	GC-MS/MS	0.01
57	Ethephon	BLQ	BLQ	0.05*	LC-MS/MS	0.01
58	Ethion	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
59	Ethofenprox (Etofenprox)	BLQ	BLQ	2.00	GC-MS/MS	0.01
60	Etoxazole	BLQ	BLQ	0.01*	LC-MS/MS	0.01
61	Fenamidone	BLQ	BLQ	1.00	LC-MS/MS	0.01
62	Fenazaquin	BLQ	BLQ	0.5	LC-MS/MS	0.01*

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		Individual	Sum			
63	Fenitrothion	BLQ	BLQ	0.01*	GC-MS/MS	0.01
64	Fenpropathrin	BLQ	BLQ	0.01*	GC-MS/MS	0.01*
65	Fenpyroximate	BLQ	BLQ	0.3	LC-MS/MS	0.01
66	Fenthion (fenthion and its oxygen analogue, their sulfoxides and sulfone expressed as parent)			0.01*	LC-MS/MS	
66.1	Fenthion	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
66.2	Fenthion-sulfone	BLQ		0.01*	LC-MS/MS	
66.3	Fenthion-sulphoxide	BLQ		0.01*	LC-MS/MS	
67	Fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including esfenvalerate) (F) (R)	BLQ	BLQ	0.05*	GC-MS/MS	0.01
68	Fipronil (sum of fipronil + sulfone metabolite (MB46136) expressed as fipronil)		BLQ	0.005*	LC-MS/MS	0.005*
68.1	Fipronil	BLQ		0.005*	LC-MS/MS	
68.2	Fipronil sulfone	BLQ		0.005*	LC-MS/MS	
69	Flubendiamide	BLQ	BLQ	0.2	LC-MS/MS	0.01*
70	Flufenzin	BLQ	BLQ	0.02	LC-MS/MS	0.01
71	Flusilazole	BLQ	BLQ	0.01*	LC-MS/MS	0.01
72	Gibberellic Acid	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
73	HCH (sum of isomers, except the <i>gamma</i> isomer)			0.01*	GC-MS/MS	
73.1	alpha-HCH	BLQ	BLQ	0.01*	GC-MS/MS	0.01*
73.2	beta-HCH	BLQ		0.01*	GC-MS/MS	
73.3	delta-HCH	BLQ		0.01*	GC-MS/MS	
74	Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor)		BLQ	0.01*	GC-MS/MS	0.01*
74.1	Heptachlor	BLQ		0.01*	GC-MS/MS	
74.2	Heptachlor epoxide	BLQ		0.01*	GC-MS/MS	
75	Hexaconazole	BLQ	BLQ	0.01*	LC-MS/MS	0.01
76	Hexythiazox	BLQ	BLQ	0.5	LC-MS/MS	0.01
77	Imazethapyr	BLQ	BLQ	0.01*	LC-MS/MS	0.01*

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		Individual	Sum			
78	Imidacloprid	BLQ	BLQ	1.00	LC-MS/MS	0.01
79	Indoxacarb (sum of R and S isomers)	BLQ	BLQ	0.3	LC-MS/MS	0.01
80	Iprobenphos	BLQ	BLQ	0.01*	LC-MS/MS	0.01
81	Isoprothiolane	BLQ	BLQ	0.01*	LC-MS/MS	0.01
82	Kresoxim methyl	BLQ	BLQ	0.8	LC-MS/MS	0.01
83	Lambda-cyhalothrin	BLQ	BLQ	0.1	GC-MS/MS	0.01
84	Lindane ( <i>gamma</i> -HCH)	BLQ	BLQ	0.01*	GC-MS/MS	0.01*
85	Lufenuron	BLQ	BLQ	1.00	LC-MS/MS	0.01
86	Malathion (sum of malathion and malaoxon expressed as malathion)		BLQ	0.02	LC-MS/MS	0.01
86.1	Malathion	BLQ		0.02	LC-MS/MS	
86.2	Malaoxon	BLQ		0.02	LC-MS/MS	
87	Metalaxyl & Metalaxyl-M	BLQ	BLQ	0.5	LC-MS/MS	0.01
88	Methamidophos	BLQ	BLQ	0.01*	LC-MS/MS	0.01
89	Methomyl and Thiodicarb (sum of methomyl and thiodicarb expressed as methomyl)		BLQ	0.04	LC-MS/MS	0.01
89.1	Methomyl	BLQ		0.04	LC-MS/MS	
89.2	Thiodicarb	BLQ		0.04	LC-MS/MS	
90	Metribuzin	BLQ	BLQ	0.10*	LC-MS/MS	0.01
91	Milbemectin (sum of milbemycin A4 and milbemycin A3, expressed as milbemectin)	BLQ	BLQ	0.02*	LC-MS/MS	0.01
92	Monocrotophos	BLQ	BLQ	0.01*	LC-MS/MS	0.01
93	Myclobutanyl (R)	BLQ	BLQ	0.5		0.01
94	Novaluron	BLQ	BLQ	0.6	LC-MS/MS	0.01*
95	Omethoate (refer to Dimethoate)	BLQ	BLQ	0.02*	LC-MS/MS	0.01
96	Oxydemeton- methyl (sum of oxydemeton methyl and demeton-S-methylsulfone expressed as oxydemeton methyl)		BLQ	0.01*	LC-MS/MS	0.01
96.1	Oxydemeton- methyl	BLQ		0.01*	LC-MS/MS	

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		Individual	Sum			
96.2	Demeton-S-methylsulfone	BLQ		0.01*	LC-MS/MS	
97	Oxyfluorfen	BLQ	BLQ	0.05	GC-MS/MS	0.01
98	Paclobutrazol	BLQ	BLQ	0.02	LC-MS/MS	0.01
99	Parathion	BLQ	BLQ	0.05	GC-MS/MS	0.01
100	Parathion methyl (sum of Parathion methyl and paraoxon methyl expressed as Parathion methyl)		BLQ	0.01*	GC-MS/MS	0.01
100.1	Parathion methyl	BLQ		0.01*	GC-MS/MS	
100.2	Paraoxon methyl	BLQ		0.01*	GC-MS/MS	
101	Penconazole	BLQ	BLQ	0.2	LC-MS/MS	0.01
102	Pencycuron	BLQ	BLQ	0.05	LC-MS/MS	0.01
103	Pendimethalin	BLQ	BLQ	0.05	LC-MS/MS	0.01
104	Permethrin (sum of isomers)		BLQ	0.05	GC-MS/MS	0.01
104.1	cis-Permethrin	BLQ		0.05	GC-MS/MS	
104.2	trans-Permethrin	BLQ		0.05	GC-MS/MS	
105	Phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate)		BLQ	0.01*	LC-MS/MS	0.01
105.1	Phorate	BLQ		0.01*	LC-MS/MS	
105.2	Phorate-sulfone	BLQ		0.01*	LC-MS/MS	
105.3	Phorate-sulfoxide	BLQ		0.01*	LC-MS/MS	
106	Phosalone	BLQ	BLQ	0.01*	LC-MS/MS	0.01
107	Phosphamidon	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
108	Picoxystrobin	BLQ	BLQ	0.01*	LC-MS/MS	0.01
109	Profenophos	BLQ	BLQ	0.01*	LC-MS/MS	0.01
110	Propargite	BLQ	BLQ	0.01*	LC-MS/MS	0.01
111	Propiconazole	BLQ	BLQ	0.05	LC-MS/MS	0.01
112	Pyraclostrobin	BLQ	BLQ	0.5	LC-MS/MS	0.01
113	Pyridalyl	BLQ	BLQ	2.00	LC-MS/MS	0.01*
114	Pyriproxyfen	BLQ	BLQ	1.00	GC-MS/MS	0.01
115	Quinalphos	BLQ	BLQ	0.01*	LC-MS/MS	0.01
116	Quizalofop, incl. quizalfop-P	BLQ	BLQ	0.40	LC-MS/MS	0.01
117	Spinosad (sum of	BLQ	BLQ	2	LC-MS/MS	0.01

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	Spinosyn A+D)					
117.1	Spinosyn A	BLQ		2	LC-MS/MS	
117.2	Spinosyn D	BLQ		2	LC-MS/MS	
118	Spiromesifen	BLQ	BLQ	0.5	LC-MS/MS	0.01
119	Spirotetramat and its 4 metabolites BYI08330-enol, BYI08330-ketohydroxy, BYI08330-monohydroxy, and BYI08330 enol-glucoside, expressed as spirotetramat	BLQ	BLQ	2.00	LC-MS/MS	0.01
120	<i>tau</i> - Fluvalinate	BLQ	BLQ	0.01*	GC-MS/MS	0.01*
121	Tebuconazole	BLQ	BLQ	0.6	LC-MS/MS	0.01
122	Tebufenozide (F)	BLQ	BLQ	1.00	LC-MS/MS	0.01
123	Tetracycline	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
124	Thiacloprid	BLQ	BLQ	1.00	LC-MS/MS	0.01
125	Thiamethoxam (sum of thiamethoxam and clothianidin expressed as thiamethoxam)	BLQ	BLQ	0.7	LC-MS/MS	0.01
126	Thiodicarb (see Methomyl)	BLQ	BLQ	0.01*	LC-MS/MS	0.01
127	Thiophanate-methyl	BLQ	BLQ	0.10*	LC-MS/MS	0.01
128	Tolfenpyrad	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
129	Transfluthrin	BLQ	BLQ	0.01*	GC-MS/MS	0.01*
130	Triaccontanol	BLQ	BLQ	0.01*	GC-MS/MS	0.01*
131	Triadimefon (sum of triadimefon and triadimenol)			1.00	LC-MS/MS	
131.1	Triadimefon	BLQ	BLQ	1.00	LC-MS/MS	0.01
131.2	Triadimenol	BLQ	BLQ	1.00	LC-MS/MS	0.01
132	Triazophos	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
133	Trichlorfon	BLQ	BLQ	0.01*	LC-MS/MS	0.01
134	Tricyclazole	BLQ	BLQ	0.05*	LC-MS/MS	0.01
135	Tridemorph	BLQ	BLQ	0.01*	LC-MS/MS	0.01
136	Trifloxystrobin	BLQ	BLQ	0.4	LC-MS/MS	0.01
137	Triforine	BLQ	BLQ	0.01*	LC-MS/MS	0.01*



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138	Validamycin	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
139	Lead	BLQ	BLQ	0.1#	ICP	0.10
140	Cadmium	BLQ	BLQ	0.05#	ICP	0.02

\* EU-MRL set at LOQ (mg/kg) as per

[http://ec.europa.eu/sanco\\_pesticides/public/index.cfm?event=substance.selection](http://ec.europa.eu/sanco_pesticides/public/index.cfm?event=substance.selection)

† These are natural products. EU-MRL does not exist for these chemicals. Hence, their MRL is set at the LOQ of the method developed and validated at the National Referral Laboratory of the NRC for Grapes.

#Reference: Commission Regulation (EC) No 1881/2006 of 19<sup>th</sup> December 2006.

! Commission Regulation (EU) 2015/1005 of 25<sup>th</sup> June 2015.