

Curry leaves test report format

Dated: 30th January 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			
1	1-Naphthylacetamide and 1-naphthylacetic acid (sum of 1-naphthylacetamide and 1-naphthylacetic acid and its salts, expressed as 1-naphthylacetic acid)	BLQ	BLQ	0.1	LC-MS/MS	0.02
1.1	1-Naphthylacetamide	BLQ		0.1	LC-MS/MS	0.02
1.2	1-naphthylacetic acid and its salts, expressed as 1-naphthylacetic acid	BLQ		0.1	LC-MS/MS	0.02
2	4-bromo-2-chlorophenol (metabolite of Profenophos)	BLQ	BLQ	0.01*	GC-MS/MS	0.01*
3	Abamectin (sum of avermectin B1a, avermectin B1b and delta-8,9 isomer of avermectin B1a)	BLQ	BLQ	2	LC-MS/MS	0.01
4	Acephate	BLQ	BLQ	0.02*	LC-MS/MS	0.01
5	Acetamiprid	BLQ	BLQ	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	70	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	0.02*	LC-MS/MS	0.01
15	Buprofezin	BLQ	BLQ	4.00	LC-MS/MS	0.01
16	Capropamid	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
17	Captafol	BLQ	BLQ	0.05*	GC-MS/MS	0.01
18	Captan	BLQ	BLQ	0.06*	GC-MS/MS	0.01
19	Carbaryl	BLQ	BLQ	0.02*	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	0.02*	LC-MS/MS	0.01
21.1	Carbofuran	BLQ		0.02*	LC-MS/MS	
21.2	3-hydroxy-carbofuran	BLQ		0.02*	LC-MS/MS	
22	Carbosulfan	BLQ	BLQ	0.01*	LC-MS/MS	0.01
23	Cartap hydrochloride	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
24	Chlorantraniliprole	BLQ	BLQ	20.00	LC-MS/MS	0.01
25	Chlordane (cis& trans)		BLQ	0.01*	GC-MS/MS	0.01*
25.1	cis-chlordane	BLQ		0.01*	GC-MS/MS	
25.2	trans-chlordane	BLQ		0.01*	GC-MS/MS	
26	Chlorfenapyr	BLQ	BLQ	0.02*	GC-MS/MS	0.01
27	Chlorfenvinphos	BLQ	BLQ	0.02*	GC-MS/MS	0.01
28	Chlorimuron ethyl	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
29	Chlormequat (CCC)	BLQ	BLQ	0.05*	LC-MS/MS	0.01
30	Chlorpropham (F) (R) (A)	BLQ	BLQ	0.02*	LC-MS/MS	0.01
31	Chlorpyrifos	BLQ	BLQ	0.05*	GC-MS/MS	0.01
32	Chlorpyrifos methyl	BLQ	BLQ	0.05*	GC-MS/MS	0.01
33	Clothianidin	BLQ	BLQ	1.5	LC-MS/MS	0.01
34	Cyantraniliprole	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
35	Cyazofamid	BLQ	BLQ	0.02*	LC-MS/MS	0.01
36	Cyfluthrin (including other mixtures of		0.02*	0.02*	GC-MS/MS	0.01

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		Individual	Sum			
	constituent isomers sum of isomers)					
36.1	Cyfluthrin 1	0.02*		0.02*	GC-MS/MS	
36.2	Cyfluthrin 2	0.02*		0.02*	GC-MS/MS	
36.3	Cyfluthrin 3	0.02*		0.02*	GC-MS/MS	
36.4	Cyfluthrin 4	0.02*		0.02*	GC-MS/MS	
37	Cymoxanil	BLQ	BLQ	0.05*	LC-MS/MS	0.01
38	Cypermethrin (including other mixtures of constituent isomers sum of isomers)			2.00	GC-MS/MS	
38.1	Cypermethrin 1	BLQ	BLQ	2	GC-MS/MS	0.01
38.2	Cypermethrin 2	BLQ		2	GC-MS/MS	
38.3	Cypermethrin 3	BLQ		2	GC-MS/MS	
38.4	Cypermethrin 4	BLQ		2	GC-MS/MS	
39	Dazomet (Methylisothiocyanate resulting from the use of Dazomet and metam)	BLQ	BLQ	0.02*	LC-MS/MS	0.01
40	DDT (all isomers, sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) expressed as DDT)			0.05*	GC-MS/MS	
40.1	p,p'-DDT	BLQ	BLQ	0.05*	GC-MS/MS	0.01
40.2	o,p'-DDT	BLQ		0.05*	GC-MS/MS	
40.3	p,p'-DDE	BLQ		0.05*	GC-MS/MS	
40.4	p,p'-TDE (DDD)	BLQ		0.05*	GC-MS/MS	
41	Deltamethrin	BLQ	BLQ	0.50	GC-MS/MS	0.01
42	Diafenthiuron	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
43	Diazinon	BLQ	BLQ	0.02*	LC-MS/MS	0.01
44	Dichlorvos	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
45	Dicofol (sum of p, p' and o,p' isomers)	BLQ	BLQ	0.02*	GC-MS/MS	0.01
46	Dieldrin (see Aldrin)	BLQ	BLQ	0.01*	GC-MS/MS	0.01*
47	Difenoconazole	BLQ	BLQ	2.00	LC-MS/MS	0.01
48	Diflubenzuron	BLQ	BLQ	0.2	LC-MS/MS	0.01
49	Dimethachlor	BLQ	BLQ	0.02*	LC-MS/MS	
50	Dimethoate (Including Omethoate)		BLQ	0.02*	LC-MS/MS	0.01

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50.1	Dimethoate	BLQ		0.02*	LC-MS/MS	
50.2	Omethoate	BLQ		0.02*	LC-MS/MS	
51	Dimethomorph	BLQ	BLQ	10	LC-MS/MS	0.01
52	Dinocap (sum of dinocap isomers and their corresponding phenols expressed as dinocap)	BLQ	BLQ	0.05*	LC-MS/MS	0.01
53	Dithiocarbamates (Mancozeb, Maneb, Propineb, Metiram, Thiram, Zineb and Ziram collectively estimated as CS2)	BLQ	BLQ	5.00	GC-MS	0.01
54	Dodine	BLQ	BLQ	0.1*	LC-MS/MS	0.01
55	Emamectin Benzoate	BLQ	BLQ	1.00	LC-MS/MS	0.01
56	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
56.1	alpha-Endosulphan	BLQ		0.05*	GC-MS/MS	
56.2	beta-Endosulphan	BLQ		0.05*	GC-MS/MS	
56.3	Endosulphan sulphate	BLQ		0.05*	GC-MS/MS	
57	Endrin	BLQ	BLQ	0.01*	GC-MS/MS	0.01
58	Ethephon	BLQ	BLQ	0.05*	LC-MS/MS	0.01
59	Ethion	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
60	Ethofenprox (Etofenprox)	BLQ	BLQ	3.00	GC-MS/MS	0.01
61	Etoxazole	BLQ	BLQ	0.02*	LC-MS/MS	0.01
62	Fenamidone	BLQ	BLQ	60	LC-MS/MS	0.01
63	Fenazaquin	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
64	Fenitrothion	BLQ	BLQ	0.02*	GC-MS/MS	0.01
65	Fenpropathrin	BLQ	BLQ	0.01*	GC-MS/MS	0.01*
66	Fenpyroximate	BLQ	BLQ	0.05*	LC-MS/MS	0.01
67	Fenthion (fenthion and its oxygen analogue, their sulfoxides and sulfone expressed as parent)		BLQ	0.01*	LC-MS/MS	0.01*

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		Individual	Sum			
67.1	Fenthion	BLQ		0.01*	LC-MS/MS	
67.2	Fenthion-sulfone	BLQ		0.01*	LC-MS/MS	
67.3	Fenthion-sulphoxide	BLQ		0.01*	LC-MS/MS	
68	Fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including esfenvalerate) (F) (R)	BLQ	BLQ	0.05*	GC-MS/MS	0.01
69	Fipronil (sum of fipronil + sulfone metabolite (MB46136) expressed as fipronil)		BLQ	0.005*	LC-MS/MS	0.005*
69.1	Fipronil	BLQ		0.005*	LC-MS/MS	
69.2	Fipronil sulfone	BLQ		0.005*	LC-MS/MS	
70	Flubendiamide	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
71	Flufenzin	BLQ	BLQ	0.05*	LC-MS/MS	0.01
72	Flusilazole	BLQ	BLQ	0.02*	LC-MS/MS	0.01
73	Gibberellic Acid	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
74	HCH (sum of isomers, except the <i>gamma</i> isomer)		BLQ	0.01*	GC-MS/MS	0.01*
74.1	alpha-HCH	BLQ		0.01*	GC-MS/MS	
74.2	beta-HCH	BLQ		0.01*	GC-MS/MS	
74.3	delta-HCH	BLQ		0.01*	GC-MS/MS	
75	Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor)		BLQ	0.01*	GC-MS/MS	0.01*
75.1	Heptachlor	BLQ		0.01*	GC-MS/MS	
75.2	Heptachlor epoxide	BLQ		0.01*	GC-MS/MS	
76	Hexaconazole	BLQ	BLQ	0.02*	LC-MS/MS	0.01
77	Hexythiazox	BLQ	BLQ	0.5	LC-MS/MS	0.01
78	Imazethapyr	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
79	Imidacloprid	BLQ	BLQ	2.00	LC-MS/MS	0.01
80	Indoxacarb (sum of R and S isomers)	BLQ	BLQ	2.00	LC-MS/MS	0.01
81	Iprobenphos	BLQ	BLQ	0.01*	LC-MS/MS	0.01
82	Isoprothiolane	BLQ	BLQ	0.01*	LC-MS/MS	0.01

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83	Kresoxim methyl	BLQ	BLQ	0.02*	LC-MS/MS	0.01
84	Lambda-cyhalothrin	BLQ	BLQ	1	GC-MS/MS	0.01
85	Lindane (<i>gamma</i> -HCH)	BLQ	BLQ	0.01*	GC-MS/MS	0.01*
86	Lufenuron	BLQ	BLQ	0.05*	LC-MS/MS	0.01
87	Malathion (sum of malathion and malaoxon expressed as malathion)		BLQ	0.02*	LC-MS/MS	0.01
87.1	Malathion	BLQ		0.02*	LC-MS/MS	
87.2	Malaoxon	BLQ		0.02*	LC-MS/MS	
88	Metalaxyl & Metalaxyl-M	BLQ	BLQ	2.00	LC-MS/MS	0.01
89	Methamidophos	BLQ	BLQ	0.02*	LC-MS/MS	0.01
90	Methomyl and Thiodicarb (sum of methomyl and thiodicarb expressed as methomyl)		BLQ	2.00	LC-MS/MS	0.01
90.1	Methomyl	BLQ		2.00	LC-MS/MS	
90.2	Thiodicarb	BLQ		2.00	LC-MS/MS	
91	Metribuzin	BLQ	BLQ	0.10*	LC-MS/MS	0.01
92	Milbemectin (sum of milbemycin A4 and milbemycin A3, expressed as milbemectin)	BLQ	BLQ	0.05*	LC-MS/MS	0.01
93	Monocrotophos	BLQ	BLQ	0.02*	LC-MS/MS	0.01
94	Myclobutanyl (R)	BLQ	BLQ	0.05*		0.01
95	Novaluron	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
96	Omethoate (refer to Dimethoate)	BLQ	BLQ	0.02*	LC-MS/MS	0.01
97	Oxydemeton- methyl (sum of oxydemeton methyl and demeton-S-methylsulfone expressed as oxydemeton methyl)		BLQ	0.02*	LC-MS/MS	0.01
97.1	Oxydemeton- methyl	BLQ		0.02*	LC-MS/MS	
97.2	Demeton-S-methylsulfone	BLQ		0.02*	LC-MS/MS	
98	Oxyfluorfen	BLQ	BLQ	0.05*	GC-MS/MS	0.01
99	Paclobutrazol	BLQ	BLQ	0.02*	LC-MS/MS	0.01
100	Parathion	BLQ	BLQ	0.05*	GC-MS/MS	0.01

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		Individual	Sum			
101	Parathion methyl (sum of Parathion methyl and paraoxon methyl expressed as Parathion methyl)		BLQ	0.02*	GC-MS/MS	0.01
101.1	Parathion methyl	BLQ		0.02*	GC-MS/MS	
101.2	Paraoxon methyl	BLQ		0.02*	GC-MS/MS	
102	Penconazole	BLQ	BLQ	0.05*	LC-MS/MS	0.01
103	Pencycuron	BLQ	BLQ	0.05*	LC-MS/MS	0.01
104	Pendimethalin	BLQ	BLQ	0.6	LC-MS/MS	0.01
105	Permethrin (sum of isomers)			0.05*	GC-MS/MS	0.01
105.1	cis-Permethrin	BLQ	BLQ	0.05*	GC-MS/MS	
105.2	trans-Permethrin	BLQ		0.05*	GC-MS/MS	
106	Phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate)			0.02*	LC-MS/MS	0.01
106.1	Phorate	BLQ	BLQ	0.02*	LC-MS/MS	
106.2	Phorate-sulfone	BLQ		0.02*	LC-MS/MS	
106.3	Phorate-sulfoxide	BLQ		0.02*	LC-MS/MS	
107	Phosalone	BLQ	BLQ	0.02*	LC-MS/MS	0.01
108	Phosphamidon	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
109	Picoxystrobin	BLQ	BLQ	0.02*	LC-MS/MS	0.01
110	Profenophos	BLQ	BLQ	0.05*	LC-MS/MS	0.01
111	Propargite	BLQ	BLQ	0.02*	LC-MS/MS	0.01
112	Propiconazole	BLQ	BLQ	0.02*	LC-MS/MS	0.01
113	Pyraclostrobin	BLQ	BLQ	2.00	LC-MS/MS	0.01
114	Pyridalyl	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
115	Pyriproxyfen	BLQ	BLQ	0.05*	GC-MS/MS	0.01
116	Quinalphos	BLQ	BLQ	0.02*	LC-MS/MS	0.01
117	Quizalofop, incl. quizalofop-P	BLQ	BLQ	0.40	LC-MS/MS	0.01
118	Spinosad (sum of Spinosyn A+D)	BLQ	BLQ	15	LC-MS/MS	0.01
118.1	Spinosyn A	BLQ		15	LC-MS/MS	
118.2	Spinosyn D	BLQ		15	LC-MS/MS	
119	Spiromesifen	BLQ	BLQ	0.02*	LC-MS/MS	0.01
120	Spirotetramat and its 4	BLQ	BLQ	4.00	LC-MS/MS	

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		Individual	Sum			
	metabolites BYI08330-enol, BYI08330-ketohydroxy, BYI08330-monohydroxy, and BYI08330 enol-glucoside, expressed as spirotetramat					
121	<i>tau</i> - Fluvalinate	BLQ	BLQ	0.01*	GC-MS/MS	0.01*
122	Tebuconazole	BLQ	BLQ	0.05*	LC-MS/MS	0.01
123	Tebufenozide (F)	BLQ	BLQ	0.05*	LC-MS/MS	0.01
124	Tetracycline	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
125	Thiacloprid	BLQ	BLQ	5.00	LC-MS/MS	0.01
126	Thiamethoxam (sum of thiamethoxam and clothianidin expressed as thiamethoxam)	BLQ	BLQ	0.02*	LC-MS/MS	0.01
127	Thiodicarb (see Methomyl)	BLQ	BLQ	2.00	LC-MS/MS	0.01
128	Thiophanate-methyl	BLQ	BLQ	0.10*	LC-MS/MS	0.01
129	Tolfenpyrad	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
130	Transfluthrin	BLQ	BLQ	0.01*	GC-MS/MS	0.01*
131	Triaccontanol	BLQ	BLQ	0.01*	GC-MS/MS	0.01*
132	Triadimefon (sum of triadimefon and triadimenol)		BLQ	0.1	LC-MS/MS	0.01
132.1	Triadimefon	BLQ		0.1	LC-MS/MS	
132.2	Triadimenol	BLQ		0.1	LC-MS/MS	
133	Triazophos	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
134	Trichlorfon	BLQ	BLQ	0.02*	LC-MS/MS	0.01
135	Tricyclazole	BLQ	BLQ	0.05*	LC-MS/MS	0.01
136	Tridemorph	BLQ	BLQ	0.02*	LC-MS/MS	0.01
137	Trifloxystrobin	BLQ	BLQ	15	LC-MS/MS	0.01
138	Triforine	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
139	Validamycin	BLQ	BLQ	0.01*	LC-MS/MS	0.01*
140	Lead	BLQ	BLQ	0.1#	ICP	0.10
141	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

† 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 19th December 2006.

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