

National Referral Laboratory
ICAR-National Research Centre for Grapes, Manjri farm, Pune 412307

TARGET LIST OF ANALYTES (PT ID: NRL/PT-FV/2022/Grape-1)

Sr.No.	Name of Chemicals/Pesticides	Required LOQ (mg Kg ⁻¹)
1.	4-bromo-2-chlorophenol	0.01
2.	6-Benzyl adenine	0.01
3.	Abamectin	0.01
4.	Acephate	0.01
5.	Acetamiprid	0.01
6.	Alachlor	0.01
7.	Ametoctradin	0.01
8.	Atrazine	0.01
9.	Azoxystrobin	0.01
10.	Benalaxyl	0.01
11.	Benalaxyl-M	0.01
12.	Bendiocarb	0.01
13.	Bifenazate	0.01
14.	Bifenazate diazine	0.01
15.	Bifenthrin	0.01
16.	Bitertanol	0.01
17.	Boscalid	0.01
18.	Buprofezin	0.01
19.	Butachlor	0.01
20.	Carbaryl	0.01
21.	Carbendazim	0.01
22.	Carbofuran	0.002
23.	Carbosulfan	0.002
24.	Benfuracarb	0.002
25.	Furathiocarb	0.002
26.	Flonicamid	0.010
27.	3-OH carbofuran	0.002
28.	Carboxin	0.01
29.	Cartap hydrochloride	0.01
30.	Chlorantraniliprole	0.01
31.	Chlordane (<i>cis</i>)	0.01
32.	Chlordane (<i>trans</i>)	0.01
33.	Chlorfenapyr	0.01
34.	Chlorfenvinphos	0.01
35.	Chlorfluazuron	0.01
36.	Chlormequat (CCC)	0.01
37.	Chlorothalonil	0.01
38.	Chlorpropham	0.01
39.	Chlorpyrifos	0.01
40.	Chlorpyrifos methyl	0.01
41.	Clothianidin	0.01
42.	Cyantraniliprole	0.01
43.	Cyazofamid	0.01
44.	Cyflumetofen	0.01

45.	Cyfluthrin (including other mixtures of constituent isomers sum of isomers)	0.01
46.	Cymoxanil	0.01
47.	Cypermethrin (including other mixtures of constituent isomers sum of isomers)	0.01
48.	Dazomet	0.01
49.	p,p-DDT	0.01
50.	o,p'-DDT	0.01
51.	p,p'-DDE	0.01
52.	p,p'-TDE (DDD)	0.01
53.	Deltamethrin	0.01
54.	Diafenthiuron	0.01
55.	Diazinon	0.01
56.	Dichlorvos	0.01
57.	Dicofol (p,p)	0.01
58.	Dicofol (o, p)	0.01
59.	Difenoconazole	0.01
60.	Diiflubenzuron	0.01
61.	Dimethoate	0.01
62.	Omethoate	0.01
63.	Dimethomorph	0.01
64.	Dinotefuran	0.01
65.	Dithianon	0.01
66.	Diuron	0.01
67.	3,4-dichloroaniline	0.01
68.	Dodine	0.01
69.	Edifenphos	0.01
70.	Emamectin Benzoate	0.01
71.	Endosulphan <i>alpha</i>	0.01
72.	Endosulphan <i>beta</i>	0.01
73.	Endosulphan sulphate	0.01
74.	Endrin	0.01
75.	Epoxiconazole	0.01
76.	Ethion	0.01
77.	Ethiprole	0.01
78.	Ethofenprox (Etofenprox)	0.01
79.	Etoxazole	0.01
80.	Etrimfos	0.01
81.	Famoxadone	0.01
82.	Fenamidone	0.01
83.	Fenarimol	0.01
84.	Fenazaquin	0.01
85.	Fenhexamid (F)	0.01
86.	Fenitrothion	0.01
87.	Fenobucarb	0.01
88.	Fenpropathrin	0.01

89.	Fenpyroximate	0.01
90.	Fenthion	0.01
91.	Fenthion sulfoxides	0.01
92.	Fenthion sulfone	0.01
93.	Fenvalerate	0.01
94.	Fipronil	0.005
95.	Fipronil sulfone (MB46136)	0.005
96.	Fluazifop-P	0.01
97.	Fluazifop-P-butyl	0.01
98.	Flubendiamide	0.01
99.	Flufenacet	0.01
100.	Flufenoxuron	0.01
101.	Flufenzine	0.01
102.	Fluopicolide	0.01
103.	Fluopyram	0.01
104.	Flusilazole	0.01
105.	Fluxapyroxad	0.01
106.	Forchlorfenuron (CPPU)	0.01
107.	alfa-HCH	0.01
108.	beta-HCH	0.01
109.	delta-HCH	0.01
110.	Heptachlor	0.01
111.	Heptachlor epoxide	0.01
112.	Hexaconazole	0.01
113.	Hexythiazox	0.01
114.	Imidacloprid	0.01
115.	Indoxacarb (sum of R and S isomers)	0.01
116.	Iodosulfuron-methyl	0.01
117.	Iprobenphos	0.01
118.	Iprodione	0.01
119.	Iprovalicarb	0.01
120.	Isoprothiolane	0.01
121.	Isoproturon	0.01
122.	Kresoxim methyl	0.01
123.	Lambda-cyhalothrin	0.01
124.	Lindane (<i>gamma</i> -HCH)	0.01
125.	Linuron	0.01
126.	Lufenuron	0.01
127.	Malathion	0.01
128.	Malaoxon	0.01
129.	Mandipropamid	0.01
130.	Mepiquat	0.01
131.	Metaxyl	0.01
132.	Methamidophos	0.01
133.	Methomyl	0.01
134.	Nitenpyram	0.01
135.	Nereistoxin	0.01

136.	Thiodicarb	0.01
137.	TFNA (metabolite of flonicamid)	0.01
138.	TFNG (metabolite of flonicamid)	0.01
139.	Metolachlor	0.01
140.	S-metolachlor	0.01
141.	Metrafenone	0.01
142.	Metribuzin	0.01
143.	Milbemectin	0.02
144.	Monocrotophos	0.01
145.	Myclbutanil	0.01
146.	Novaluron	0.01
147.	Omethoate	0.01
148.	Oxadiazon	0.01
149.	Oxycarboxin	0.01
150.	Oxydemeton methyl	0.01
151.	Demeton-S-methylsulfone	0.01
152.	Oxyfluorfen	0.01
153.	Paclobutrazol	0.01
154.	Parathion methyl	0.01
155.	Paraoxon methyl	0.01
156.	Parathion ethyl	0.01
157.	Penconazole	0.01
158.	Pencycuron	0.01
159.	Pendimethalin	0.01
160.	Permethrin (sum of isomers)	0.01
161.	Phenthoate	0.01
162.	Phorate	0.01
163.	Phorate sulfoxide	0.01
164.	Phorate sulfone	0.01
165.	Phosalone	0.01
166.	Phosphamidon	0.01
167.	Picoxystrobin	0.01
168.	Pirimiphos-methyl	0.01
169.	Profenophos	0.01
170.	Propamocarb	0.01
171.	Propanil	0.01
172.	Propargite	0.01
173.	Propetamphos	0.01
174.	Propiconazole	0.01
175.	Propoxur	0.01
176.	Pymetrozine	0.01
177.	Pyraclostrobin	0.01
178.	Pyridaben	0.01
179.	Pyriproxyfen	0.01
180.	Quinalphos	0.01
181.	Simazine	0.01
182.	Spinetoram	0.01

183.	Spinosyn A	0.01
184.	Spinosyn D	0.01
185.	Spirodiclofen	0.01
186.	Spiromesifen	0.01
187.	Spirotetramat (only parent spirotetramat)	0.01
188.	Spirotetramat enol (metabolite of spirotetramat)	0.01
189.	tau- Fluvalinate	0.01
190.	Tebuconazole	0.01
191.	Temephos	0.01
192.	Tetraconazole	0.01
193.	Thiabendazole	0.01
194.	Thiacloprid	0.01
195.	Thiamethoxam	0.01
196.	Thiobencarb	0.01
197.	Thiodicarb	0.01
198.	Thiometon	0.01
199.	Thiocyclam	0.01
200.	Thiophanate-methyl	0.01
201.	Tolfenpyrad	0.01
202.	Transfluthrin	0.01
203.	Triadimefon	0.01
204.	Triadimenol	0.01
205.	Triazophos	0.01
206.	Trichlorfon	0.01
207.	Tricyclazole	0.01
208.	Tridemorph	0.01
209.	Trifloxystrobin	0.01
210.	Trifluralin	0.01

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