

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

TARGET LIST OF ANALYTES (PT ID: NRL/PT-FV/2023/Grape-1)

Sr.No.	Name of Chemicals/Pesticides	PT range (mg Kg ⁻¹)
1.	4-bromo-2-chlorophenol	0.02-0.250
2.	6-Benzyl adenine	0.02-0.250
3.	Abamectin	0.02-0.250
4.	Acephate	0.02-0.250
5.	Acetamiprid	0.02-0.250
6.	Alachlor	0.02-0.250
7.	Ametoctradin	0.02-0.250
8.	Atrazine	0.02-0.250
9.	Azoxystrobin	0.02-0.250
10.	Benalaxyl	0.02-0.250
11.	Benalaxyl-M	0.02-0.250
12.	Bendiocarb	0.02-0.250
13.	Bifenazate	0.02-0.250
14.	Bifenazate diazine	0.02-0.250
15.	Bifenthrin	0.02-0.250
16.	Bitertanol	0.02-0.250
17.	Boscalid	0.02-0.250
18.	Buprofezin	0.02-0.250
19.	Butachlor	0.02-0.250
20.	Carbaryl	0.02-0.250
21.	Carbendazim	0.02-0.250
22.	Carbofuran	0.02-0.250
23.	Carbosulfan	0.02-0.250
24.	Benfuracarb	0.02-0.250
25.	Furathiocarb	0.02-0.250
26.	Flonicamid	0.02-0.250
27.	3-OH carbofuran	0.02-0.250
28.	Carboxin	0.02-0.250
29.	Cartap hydrochloride	0.02-0.250
30.	Chlorantraniliprole	0.02-0.250
31.	Chlordane (<i>cis</i>)	0.02-0.250
32.	Chlordane (<i>trans</i>)	0.02-0.250
33.	Chlorfenapyr	0.02-0.250
34.	Chlorfenvinphos	0.02-0.250
35.	Chlorfluazuron	0.02-0.250
36.	Chlormequat (CCC)	0.02-0.250
37.	Chlorothalonil	0.02-0.250
38.	Chlorpropham	0.02-0.250
39.	Chlorpyrifos	0.02-0.250
40.	Chlorpyrifos methyl	0.02-0.250
41.	Clothianidin	0.02-0.250
42.	Cyantraniliprole	0.02-0.250
43.	Cyazofamid	0.02-0.250
44.	Cyflumetofen	0.02-0.250

45.	Cyfluthrin (including other mixtures of constituent isomers sum of isomers)	0.02-0.250
46.	Cymoxanil	0.02-0.250
47.	Cypermethrin (including other mixtures of constituent isomers sum of isomers)	0.02-0.250
48.	Dazomet	0.02-0.250
49.	p,p-DDT	0.02-0.250
50.	o,p'-DDT	0.02-0.250
51.	p,p'-DDE	0.02-0.250
52.	p,p'-TDE (DDD)	0.02-0.250
53.	Deltamethrin	0.02-0.250
54.	Diafenthiuron	0.02-0.250
55.	Diazinon	0.02-0.250
56.	Dichlorvos	0.02-0.250
57.	Dicofol (p,p)	0.02-0.250
58.	Dicofol (o, p)	0.02-0.250
59.	Difenoconazole	0.02-0.250
60.	Diiflubenzuron	0.02-0.250
61.	Dimethoate	0.02-0.250
62.	Omethoate	0.02-0.250
63.	Dimethomorph	0.02-0.250
64.	Dinotefuran	0.02-0.250
65.	Dithianon	0.02-0.250
66.	Diuron	0.02-0.250
67.	3,4-dichloroaniline	0.02-0.250
68.	Dodine	0.02-0.250
69.	Edifenphos	0.02-0.250
70.	Emamectin Benzoate	0.02-0.250
71.	Endosulphan <i>alpha</i>	0.02-0.250
72.	Endosulphan <i>beta</i>	0.02-0.250
73.	Endosulphan sulphate	0.02-0.250
74.	Endrin	0.02-0.250
75.	Epoxiconazole	0.02-0.250
76.	Ethion	0.02-0.250
77.	Ethiprole	0.02-0.250
78.	Ethofenprox (Etofenprox)	0.02-0.250
79.	Etoxazole	0.02-0.250
80.	Etrimfos	0.02-0.250
81.	Famoxadone	0.02-0.250
82.	Fenamidone	0.02-0.250
83.	Fenarimol	0.02-0.250
84.	Fenazaquin	0.02-0.250
85.	Fenhexamid (F)	0.02-0.250
86.	Fenitrothion	0.02-0.250
87.	Fenobucarb	0.02-0.250
88.	Fenpropathrin	0.02-0.250

89.	Fenpyroximate	0.02-0.250
90.	Fenthion	0.02-0.250
91.	Fenthion sulfoxides	0.02-0.250
92.	Fenthion sulfone	0.02-0.250
93.	Fenvalerate	0.02-0.250
94.	Fipronil	0.02-0.250
95.	Fipronil sulfone (MB46136)	0.02-0.250
96.	Fluazifop-P	0.02-0.250
97.	Fluazifop-P-butyl	0.02-0.250
98.	Flubendiamide	0.02-0.250
99.	Flufenacet	0.02-0.250
100.	Flufenoxuron	0.02-0.250
101.	Flufenzine	0.02-0.250
102.	Fluopicolide	0.02-0.250
103.	Fluopyram	0.02-0.250
104.	Flusilazole	0.02-0.250
105.	Fluxapyroxad	0.02-0.250
106.	Forchlorfenuron (CPPU)	0.02-0.250
107.	alfa-HCH	0.02-0.250
108.	beta-HCH	0.02-0.250
109.	delta-HCH	0.02-0.250
110.	Heptachlor	0.02-0.250
111.	Heptachlor epoxide	0.02-0.250
112.	Hexaconazole	0.02-0.250
113.	Hexythiazox	0.02-0.250
114.	Imidacloprid	0.02-0.250
115.	Indoxacarb (sum of R and S isomers)	0.02-0.250
116.	Iodosulfuron-methyl	0.02-0.250
117.	Iprobenphos	0.02-0.250
118.	Iprodione	0.02-0.250
119.	Iprovalicarb	0.02-0.250
120.	Isoprothiolane	0.02-0.250
121.	Isoproturon	0.02-0.250
122.	Kresoxim methyl	0.02-0.250
123.	Lambda-cyhalothrin	0.02-0.250
124.	Lindane (<i>gamma</i>-HCH)	0.02-0.250
125.	Linuron	0.02-0.250
126.	Lufenuron	0.02-0.250
127.	Malathion	0.02-0.250
128.	Malaoxon	0.02-0.250
129.	Mandipropamid	0.02-0.250
130.	Mepiquat	0.02-0.250
131.	Metalaxyl	0.02-0.250
132.	Methamidophos	0.02-0.250
133.	Methomyl	0.02-0.250
134.	Nitenpyram	0.02-0.250
135.	Nereistoxin	0.02-0.250

136.	Thiodicarb	0.02-0.250
137.	TFNA (metabolite of flonicamid)	0.02-0.250
138.	TFNG (metabolite of flonicamid)	0.02-0.250
139.	Metolachlor	0.02-0.250
140.	S-metolachlor	0.02-0.250
141.	Metrafenone	0.02-0.250
142.	Metribuzin	0.02-0.250
143.	Milbemectin	0.02-0.250
144.	Monocrotophos	0.02-0.250
145.	Myclobutanil	0.02-0.250
146.	Novaluron	0.02-0.250
147.	Omethoate	0.02-0.250
148.	Oxadiazon	0.02-0.250
149.	Oxycarboxin	0.02-0.250
150.	Oxydemeton methyl	0.02-0.250
151.	Demeton-S-methylsulfone	0.02-0.250
152.	Oxyfluorfen	0.02-0.250
153.	Paclobutrazol	0.02-0.250
154.	Parathion methyl	0.02-0.250
155.	Paraoxon methyl	0.02-0.250
156.	Parathion ethyl	0.02-0.250
157.	Penconazole	0.02-0.250
158.	Pencycuron	0.02-0.250
159.	Pendimethalin	0.02-0.250
160.	Permethrin (sum of isomers)	0.02-0.250
161.	Phenthoate	0.02-0.250
162.	Phorate	0.02-0.250
163.	Phorate sulfoxide	0.02-0.250
164.	Phorate sulfone	0.02-0.250
165.	Phosalone	0.02-0.250
166.	Phosphamidon	0.02-0.250
167.	Picoxystrobin	0.02-0.250
168.	Pirimiphos-methyl	0.02-0.250
169.	Profenophos	0.02-0.250
170.	Propamocarb	0.02-0.250
171.	Propanil	0.02-0.250
172.	Propargite	0.02-0.250
173.	Propetamphos	0.02-0.250
174.	Propiconazole	0.02-0.250
175.	Propoxur	0.02-0.250
176.	Pymetrozine	0.02-0.250
177.	Pyraclostrobin	0.02-0.250
178.	Pyridaben	0.02-0.250
179.	Pyriproxyfen	0.02-0.250
180.	Quinalphos	0.02-0.250
181.	Simazine	0.02-0.250
182.	Spinetoram	0.02-0.250

183.	Spinosyn A	0.02-0.250
184.	Spinosyn D	0.02-0.250
185.	Spirodiclofen	0.02-0.250
186.	Spiromesifen	0.02-0.250
187.	Spirotetramat (only parent spirotetramat)	0.02-0.250
188.	Spirotetramat enol (metabolite of spirotetramat)	0.02-0.250
189.	tau- Fluvalinate	0.02-0.250
190.	Tebuconazole	0.02-0.250
191.	Temephos	0.02-0.250
192.	Tetraconazole	0.02-0.250
193.	Thiabendazole	0.02-0.250
194.	Thiacloprid	0.02-0.250
195.	Thiamethoxam	0.02-0.250
196.	Thiobencarb	0.02-0.250
197.	Thiodicarb	0.02-0.250
198.	Thiometon	0.02-0.250
199.	Thiocyclam	0.02-0.250
200.	Thiophanate-methyl	0.02-0.250
201.	Tolfenpyrad	0.02-0.250
202.	Transfluthrin	0.02-0.250
203.	Triadimefon	0.02-0.250
204.	Triadimenol	0.02-0.250
205.	Triazophos	0.02-0.250
206.	Trichlorfon	0.02-0.250
207.	Tricyclazole	0.02-0.250
208.	Tridemorph	0.02-0.250
209.	Trifloxystrobin	0.02-0.250
210.	Trifluralin	0.02-0.250

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