

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

**TARGET LIST OF ANALYTES**

<b>Sr.No.</b>	<b>Name of analytes</b>
1.	1-Naphthylacetamide and 1-naphthylacetic acid (sum of and 1-naphthylacetic acid and its salts, expressed as 1-naphthylacetic acid)
2.	2,4-D (sum of 2,4-D and its esters expressed as 2,4-D)
3.	4-bromo-2-chlorophenol (metabolite of Profenophos)
4.	4- CPA (4 Chlorophenoxy acetic acid)
5.	6-Benzyl adenine
6.	Abamectin (sum of avermectin B1a, avermectinB1b and delta-8,9 isomer of avermectin B1a)
7.	Acephate
8.	Acetamiprid
9.	Alachlor
10.	Aldrin (Aldrin and dieldrin combined expressed as dieldrin)
11.	Allethrin and Bioallethrin
12.	Ametoctradin
13.	Atrazine
14.	Azadirachtin
15.	Azoxystrobin
16.	Benalaxyl including other mixtures of constituent isomers including Benalaxyl-M (sum of isomers)
17.	Bendiocarb
18.	Benomyl (see carbendazim)
19.	Bifenazate
20.	Bifenthrin
21.	Bitertanol
22.	Boscalid
23.	Buprofezin
24.	Butachlor
25.	Captafol
26.	Carbaryl
27.	Carbendazim (including Benomyl)
28.	Carbofuran (sum of carbofuran (including any carbofuran generated from carbosulfan, benfuracarb or furathiocarb) and 3-OH carbofuran expressed as carbofuran) (R)

<b>Sr.No.</b>	<b>Name of analytes</b>
29.	Carboxin
30.	Cartap hydrochloride
31.	Chlorantraniliprole
32.	Chlordane ( <i>cis &amp; trans</i> )
33.	Chlorfenapyr
34.	Chlorfenvinphos
35.	Chlorfluazuron
36.	Chlormequat (CCC)
37.	Chlorothalonil
38.	Chlorpropham
39.	Chlorpyrifos
40.	Chlorpyrifos methyl
41.	Clothianidin
42.	Cyantraniliprole
43.	Cyazofamid
44.	Cyflumetofen
45.	Cyfluthrin (including other mixtures of constituent isomers sum of isomers)
46.	Cymoxanil
47.	Cypermethrin (including other mixtures of constituent isomers sum of isomers)
48.	Dazomet (Methylisothiocyanate resulting from the use of Dazomet and metam)
49.	DDT (all isomers, sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) expressed as DDT)
50.	Deltamethrin
51.	Diafenthiuron
52.	Diazinon
53.	Dichlorvos
54.	Dicofol (sum of p, p' and o,p' isomers)
55.	Dieldrin (see Aldrin)
56.	Difenoconazole
57.	Diflubenzuron
58.	Dimethoate (Including Omethoate)
59.	Dimethomorph
60.	Dinotefuran
61.	Dithianon
62.	Diuron (Diuron including all components containing 3,4- dichloroaniline moiety)

Sr.No.	Name of analytes
	expressed as 3,4-dichloroaniline)
63.	Dodine
64.	Edifenphos
65.	Emamectin Benzoate
66.	Endosulphan (All isomers, sum of <i>alpha</i> - and <i>beta</i> -isomers and endosulphan sulphate expressed as endosulphan)
67.	Endrin
68.	Epoxiconazole
69.	Ethephon
70.	Ethion
71.	Ethiprole
72.	Ethofenprox (Etofenprox)
73.	Etoxazole
74.	Etrimfos
75.	Famoxadone
76.	Fenamidone
77.	Fenarimol
78.	Fenazaquin
79.	Fenhexamid (F)
80.	Fenitrothion
81.	Fenobucarb
82.	Fenpropathrin
83.	Fenpyroximate
84.	Fenthion (fenthion and its oxygen analogue, their sulfoxides and sulfone expressed as parent)
85.	Fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including esfenvalerate) (F) (R)
86.	Fipronil (sum of fipronil + sulfone metabolite (MB46136) expressed as fipronil)
87.	Flonicamid (sum of flonicamid, TNFG and TNFA) (R)
88.	Flonicamid
89.	TNFG
90.	TNFA
91.	Fluazifop-P (sum of all the constituent isomers of fluazifop, its esters and its conjugates, expressed as fluazifop)
92.	Flubendiamide
93.	Flufenacet (sum of all compounds containing the N fluorophenyl-N-isopropyl

Sr.No.	Name of analytes
	moiety expressed as flufenacet equivalent)
94.	Flufenoxuron
95.	Flufenazine
96.	Fluopicolide
97.	Fluopyram
98.	Flusilazole
99.	Fluxapyroxad
100.	Forchlorfenuron (CPPU)
101.	Fosetyl-Al (sum fosetyl + phosphorous acid and their salts, expressed as fosetyl)
102.	HCH (sum of isomers, except the <i>gamma</i> isomer)
103.	alfa-HCH
104.	beta-HCH
105.	delta-HCH
106.	Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor)
107.	Hexaconazole
108.	Hexythiazox
109.	Homobrassinolide
110.	Imidacloprid
111.	Indoxacarb (sum of R and S isomers)
112.	Iodosulfuron-methyl (iodosulfuron-methyl including salts, expressed as iodosulfuron-methyl)
113.	Iprobenphos
114.	Iprodione
115.	Iprovalicarb
116.	Isoprothiolane
117.	Isoproturon
118.	Kresoxim methyl
119.	Lambda-cyhalothrin
120.	Lindane ( <i>gamma</i> -HCH)
121.	Linuron
122.	Lufenuron
123.	Malathion (sum of malathion and malaaxon expressed as malathion)
124.	Malathion
125.	Malaoxon
126.	Mandipropamid

<b>Sr.No.</b>	<b>Name of analytes</b>
127.	Mepiquat
128.	Metalaxyl & Metalaxyl-M
129.	Methamidophos
130.	Methomyl and Thiodicarb (sum of methomyl and thiodicarb expressed as methomyl)
131.	Metolachlor and S-metolachlor (metolachlor including other mixtures of constituent isomers including S-metolachlor (sum of isomers))
132.	Metrafenone
133.	Metribuzin
134.	Milbemectin (sum of milbemycin A4 and milbemycin A3, expressed as milbemectin)
135.	Monocrotophos
136.	Myclobutanil
137.	Nitenpyram
138.	Nereistoxin
139.	Novaluron
140.	Omethoate (refer to Dimethoate)
141.	Oxadiazon
142.	Oxycarboxin
143.	Oxydemeton- methyl (sum of oxydemeton methyl and demeton-S-methylsulfone expressed as oxydemeton methyl)
144.	Oxyfluorfen
145.	Paclobutrazol
146.	Parathion methyl (sum of Parathion methyl and paraoxon methyl expressed as Parathion methyl)
147.	Parathion ethyl
148.	Penconazole
149.	Pencycuron
150.	Pendimethalin
151.	Permethrin (sum of isomers)
152.	Phenthoate
153.	Phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate)
154.	Phosalone
155.	Phosphamidon
156.	Picoxystrobin

<b>Sr.No.</b>	<b>Name of analytes</b>
157.	Pirimiphos-methyl
158.	Profenophos
159.	Propamocarb (sum of propamocarb and its salt expressed as propamocarb)
160.	Propanil
161.	Propargite
162.	Propetamphos
163.	Propiconazole
164.	Propoxur
165.	Pymetrozine
166.	Pyraclostrobin
167.	Pyridaben
168.	Pyriproxyfen
169.	Quinalphos
170.	Simazine
171.	Spinetoram
172.	Spinosad (sum of Spinosyn A+D)
173.	Spirodiclofen
174.	Spiromesifen
175.	Spirotetramat and its 4 metabolites BYI08330-enol, BYI08330-ketohydroxy, BYI08330-monohydroxy, and BYI08330 enol-glucoside, expressed as spirotetramat (R)
176.	tau- Fluvalinate
177.	Tebuconazole
178.	Temephos
179.	Tetraconazole
180.	Thiabendazole
181.	Thiacloprid
182.	Thiamethoxam (sum of thiamethoxam and clothianidin expressed as thiamethoxam)
183.	Thiobencarb
184.	Thiodicarb (see Methomyl)
185.	Thiometon
186.	Thiocyclam
187.	Thiophanate-methyl
188.	Tolfenpyrad

Sr.No.	Name of analytes
189.	Transfluthrin
190.	Triadimefon (sum of triadimefon and triadimenol)
191.	Triazophos
192.	Trichlorfon
193.	Tricyclazole
194.	Tridemorph
195.	Trifloxystrobin
196.	Trifluralin
197.	Uracil

.....End.....