

## Grape Test report format

Date: 2<sup>nd</sup> March 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 | 0.06*                      | LC-MS/MS                    | 0.02                                  |
| 1.1     | 1-Naphthylacetamide  | BLQ                    |     | 0.06*                      | LC-MS/MS                    | 0.02                                  |
| 1.2     | 1-naphthylacetic acid and its salts, expressed as 1-naphthylacetic acid  | BLQ                    |     | 0.06*                      | LC-MS/MS                    | 0.02                                  |
| 2       | 2,4-D (sum of 2,4-D and its esters expressed as 2,4-D)   | BLQ                    | BLQ | 0.1                        | LC-MS/MS                    | 0.01                                  |
| 3       | 4-bromo-2-chlorophenol (metabolite of Profenophos)   | BLQ                    | BLQ | 0.01*                      | GC-MS/MS                    | 0.01                                  |
| 4       | 4- CPA (4 Chlorophenoxy acetic acid)   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 5       | 6-Benzyl adenine   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 6       | Abamectin (sum of avermectin B1a, avermectinB1b and delta-8,9 isomer of avermectin B1a)  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 7       | Acephate   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 8       | Acetamiprid  | BLQ                    | BLQ | 0.50                       | LC-MS/MS                    | 0.01                                  |
| 9       | Alachlor   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 10      | Aldrin (Aldrin and dieldrin combined expressed as dieldrin)  |                        | BLQ | 0.01*                      | GC-MS/MS                    | 0.01                                  |
| 10.1    | Aldrin   | BLQ                    |     | 0.01*                      | GC-MS/MS                    |                                       |

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|         |   | Individual             | Sum |                            |                             |                                       |
| 10.2    | Dieldrin  | BLQ                    |     | 0.01*                      | GC-MS/MS                    |                                       |
| 11      | Allethrin and Bioallethrin  | BLQ                    | BLQ | 0.01*                      | GC-MS/MS                    | 0.01                                  |
| 12      | Ametoctradin  | BLQ                    | BLQ | 6.00                       | LC-MS/MS                    | 0.01                                  |
| 13      | Atrazine  | BLQ                    | BLQ | 0.05*                      | LC-MS/MS                    | 0.01                                  |
| 14      | Azadirachtin  | BLQ                    | BLQ | 1.00                       | LC-MS/MS                    | 0.05                                  |
| 15      | Azoxystrobin  | BLQ                    | BLQ | 3.00                       | LC-MS/MS                    | 0.01                                  |
| 16      | Benalaxyl including other mixtures of constituent isomers including Benalaxyl-M (sum of isomers)  | BLQ                    | BLQ | 0.30                       | LC-MS/MS                    | 0.01                                  |
| 17      | Bendiocarb  | BLQ                    | BLQ | 0.01                       | GC-MS/MS                    | 0.01                                  |
| 18      | Benomyl (see carbendazim)   | BLQ                    | BLQ | 0.30                       | LC-MS/MS                    | 0.01                                  |
| 19      | Bifenazate  | BLQ                    | BLQ | 0.70                       | LC-MS/MS                    | 0.01                                  |
| 20      | Bifenthrin  | BLQ                    | BLQ | 0.20                       | GC-MS/MS                    | 0.01                                  |
| 21      | Bitertanol  | BLQ                    | BLQ | 0.01                       | LC-MS/MS                    | 0.01                                  |
| 22      | Buprofezin  | BLQ                    | BLQ | 1.00                       | LC-MS/MS                    | 0.01                                  |
| 23      | Butachlor   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 24      | Cadmium   | BLQ                    | BLQ | 0.05#                      | ICP                         | 0.02                                  |
| 25      | Captafol  | BLQ                    | BLQ | 0.02*                      | GC-MS/MS                    | 0.01                                  |
| 26      | Captan  | BLQ                    | BLQ | 0.03*                      | GC-MS/MS                    | 0.01                                  |
| 27      | Carbaryl  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 28      | Carbendazim (including Benomyl)   |                        | BLQ | 0.30                       | LC-MS/MS                    | 0.01                                  |
| 28.1    | Benomyl   | BLQ                    |     | 0.30                       | LC-MS/MS                    |                                       |
| 28.2    | Carbendazim   | BLQ                    |     | 0.30                       | LC-MS/MS                    |                                       |
| 29      | 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                                 |
| 29.1    | Carbofuran  | BLQ                    |     | 0.002*                     | LC-MS/MS                    |                                       |
| 29.2    | 3-hydroxy-carbofuran  | BLQ                    |     | 0.002*                     | LC-MS/MS                    |                                       |
| 29.3    | Carbosulfan   | BLQ                    |     | 0.002*                     | LC-MS/MS                    |                                       |

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|         |   | Individual             | Sum |                            |                             |                                       |
| 29.4    | Benfuracarb   | BLQ                    |     | 0.002*                     | LC-MS/MS                    |                                       |
| 30      | Carboxin  | BLQ                    | BLQ | 0.05*                      | LC-MS/MS                    | 0.01                                  |
| 31      | Cartap hydrochloride  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 32      | Chlorantraniliprole   | BLQ                    | BLQ | 1.00                       | LC-MS/MS                    | 0.01                                  |
| 33      | Chlordane (cis& trans)  |                        |     | 0.01*                      | GC-MS/MS                    | 0.01                                  |
| 33.1    | cis-chlordane   | BLQ                    | BLQ | 0.01*                      | GC-MS/MS                    |                                       |
| 33.2    | trans-chlordane   | BLQ                    |     | 0.01*                      | GC-MS/MS                    |                                       |
| 34      | Chlorfenapyr  | BLQ                    | BLQ | 0.01*                      | GC-MS/MS                    | 0.01                                  |
| 35      | Chlorfenvinphos   | BLQ                    | BLQ | 0.01*                      | GC-MS/MS                    | 0.01                                  |
| 36      | Chlorfluazuron  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 37      | Chlormequat (CCC)   | BLQ                    | BLQ | 0.05*                      | LC-MS/MS                    | 0.01                                  |
| 38      | Chlorothalonil  | BLQ                    | BLQ | 3.00                       | GC-MS/MS                    | 0.01                                  |
| 39      | Chlorpyrifos  | BLQ                    | BLQ | 0.01*                      | GC-MS/MS                    | 0.01                                  |
| 40      | Chlorpyrifos methyl   | BLQ                    | BLQ | 0.20                       | GC-MS/MS                    | 0.01                                  |
| 41      | Clothianidin  | BLQ                    | BLQ | 0.70                       | LC-MS/MS                    | 0.01                                  |
| 42      | Cyantraniliprole  | BLQ                    | BLQ | 1.5                        | LC-MS/MS                    | 0.01                                  |
| 43      | Cyazofamid  | BLQ                    | BLQ | 2.0                        | LC-MS/MS                    | 0.01                                  |
| 44      | Cyflumetofen  | BLQ                    | BLQ | 0.6                        | LC-MS/MS                    | 0.01                                  |
| 45      | Cyfluthrin (including other mixtures of constituent isomers sum of isomers)   |                        |     | 0.30                       | GC-MS/MS                    | 0.01                                  |
| 45.1    | Cyfluthrin 1  | BLQ                    | BLQ | 0.30                       | GC-MS/MS                    |                                       |
| 45.2    | Cyfluthrin 2  | BLQ                    | BLQ | 0.30                       | GC-MS/MS                    |                                       |
| 45.3    | Cyfluthrin 3  | BLQ                    | BLQ | 0.30                       | GC-MS/MS                    |                                       |
| 45.4    | Cyfluthrin 4  | BLQ                    | BLQ | 0.30                       | GC-MS/MS                    |                                       |
| 46      | Cymoxanil   | BLQ                    | BLQ | 0.20                       | LC-MS/MS                    | 0.01                                  |
| 47      | Cypermethrin (including other mixtures of constituent isomers sum of isomers) |                        |     | 0.50                       | GC-MS/MS                    | 0.01                                  |
| 47.1    | Cypermethrin 1  | BLQ                    | BLQ | 0.50                       | GC-MS/MS                    |                                       |
| 47.2    | Cypermethrin 2  | BLQ                    | BLQ | 0.50                       | GC-MS/MS                    |                                       |
| 47.3    | Cypermethrin 3  | BLQ                    | BLQ | 0.50                       | GC-MS/MS                    |                                       |
| 47.4    | Cypermethrin 4  | BLQ                    | BLQ | 0.50                       | GC-MS/MS                    |                                       |

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| 48      | Dazomet (Methylisothiocyanate resulting from the use of Dazomet and metam)                 | BLQ                    | BLQ | 0.02*                      | LC-MS/MS                    | 0.01                                  |
| 49      | 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                    | 0.01                                  |
| 49.1    | p,p'-DDT   | BLQ                    | BLQ | 0.05*                      | GC-MS/MS                    |                                       |
| 49.2    | o,p'-DDT   | BLQ                    |     | 0.05*                      | GC-MS/MS                    |                                       |
| 49.3    | p,p'-DDE   | BLQ                    |     | 0.05*                      | GC-MS/MS                    |                                       |
| 49.4    | p,p'-TDE (DDD)   | BLQ                    |     | 0.05*                      | GC-MS/MS                    |                                       |
| 50      | Deltamethrin   | BLQ                    |     | BLQ                        | 0.20                        | GC-MS/MS                              |
| 51      | Diafenthiuron  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 52      | Diazinon   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 53      | Dichlorvos   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 54      | Dicofol (sum of p, p' and o,p' isomers)  | BLQ                    | BLQ | 0.02*                      | GC-MS/MS                    | 0.01                                  |
| 55      | Dieldrin (see Aldrin)  | BLQ                    | BLQ | 0.01*                      | GC-MS/MS                    | 0.01                                  |
| 56      | Difenoconazole   | BLQ                    | BLQ | 3.0                        | LC-MS/MS                    | 0.01                                  |
| 57      | Diflubenzuron  | BLQ                    | BLQ | 1.00                       | LC-MS/MS                    | 0.01                                  |
| 58      | Dimethoate (Including Omethoate)   |                        |     | 0.02*                      | LC-MS/MS                    | 0.01                                  |
| 58.1    | Dimethoate   | BLQ                    | BLQ | 0.02*                      | LC-MS/MS                    |                                       |
| 58.2    | Omethoate  | BLQ                    |     | 0.02*                      | LC-MS/MS                    |                                       |
| 59      | Dimethomorph   | BLQ                    |     | BLQ                        | 3.00                        | LC-MS/MS                              |
| 60      | Dinocap (sum of dinocap isomers and their corresponding phenols expressed as dinocap)      | BLQ                    | BLQ | 0.02*                      | LC-MS/MS                    | 0.01                                  |
| 61      | Dinotefuran  | BLQ                    | BLQ | 0.9                        | LC-MS/MS                    | 0.01                                  |
| 62      | Diquat   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 63      | Dithianon  | BLQ                    | BLQ | 3.00                       | LC-MS/MS                    | 0.01                                  |

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| 64      | Dithiocarbamates (Mancozeb, Maneb, Propineb, Metiram, Thiram, Zineb and Ziram collectively estimated as CS2)                | BLQ                    | BLQ | 5.00                       | GC-MS                       | 0.01                                  |
| 65      | Diuron (Diuron including all components containing 3,4-dichloroaniline moiety expressed as 3,4-dichloroaniline)             |                        | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 65.1    | Diuron  | BLQ                    |     | 0.01*                      | LC-MS/MS                    |                                       |
| 65.2    | 3,4-dichloroaniline   | BLQ                    |     | 0.01*                      | LC-MS/MS                    |                                       |
| 66      | Dodine  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 67      | Edifenphos  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 68      | Emamectin Benzoate  | BLQ                    | BLQ | 0.05                       | LC-MS/MS                    | 0.01                                  |
| 69      | 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                                  |
| 69.1    | alpha-Endosulphan   | BLQ                    |     | 0.05*                      | GC-MS/MS                    |                                       |
| 69.2    | beta-Endosulphan  | BLQ                    |     | 0.05*                      | GC-MS/MS                    |                                       |
| 69.3    | Endosulphan sulphate  | BLQ                    |     | 0.05*                      | GC-MS/MS                    |                                       |
| 70      | Endrin  | BLQ                    | BLQ | 0.01*                      | GC-MS/MS                    | 0.01                                  |
| 71      | Ethephon  | BLQ                    | BLQ | 1.0                        | LC-MS/MS                    | 0.01                                  |
| 72      | Ethion  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 73      | Ethiprole   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 74      | Ethofenprox (Etofenprox)  | BLQ                    | BLQ | 5.00                       | GC-MS/MS                    | 0.01                                  |
| 75      | Etoxazole   | BLQ                    | BLQ | 0.5                        | LC-MS/MS                    | 0.01                                  |
| 76      | Etrimfos  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 77      | Famoxadone  | BLQ                    | BLQ | 2.00                       | LC-MS/MS                    | 0.01                                  |
| 78      | Fenamidone  | BLQ                    | BLQ | 0.6                        | LC-MS/MS                    | 0.01                                  |
| 79      | Fenarimol   | BLQ                    | BLQ | 0.30                       | LC-MS/MS                    | 0.01                                  |
| 80      | Fenazaquin  | BLQ                    | BLQ | 0.20                       | LC-MS/MS                    | 0.01                                  |
| 81      | Fenitrothion  | BLQ                    | BLQ | 0.01*                      | GC-MS/MS                    | 0.01                                  |

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|         |   | Individual             | Sum |                            |                             |                                       |
| 82      | Fenobucarb  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 83      | Fenpropathrin   | BLQ                    | BLQ | 0.01*                      | GC-MS/MS                    | 0.01                                  |
| 84      | Fenpyroximate   | BLQ                    | BLQ | 0.30                       | LC-MS/MS                    | 0.01                                  |
| 85      | Fenthion (fenthion and its oxygen analogue, their sulfoxides and sulfone expressed as parent)                         |                        |     | 0.01*                      | LC-MS/MS                    |                                       |
| 85.1    | Fenthion  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 85.2    | Fenthion-sulfone  | BLQ                    |     | 0.01*                      | LC-MS/MS                    |                                       |
| 85.3    | Fenthion-sulphoxide   | BLQ                    |     | 0.01*                      | LC-MS/MS                    |                                       |
| 86      | Fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including esfenvalerate) (F) (R)                      | BLQ                    | BLQ | 0.3                        | GC-MS/MS                    | 0.01                                  |
| 87      | Fipronil (sum of fipronil + sulfone metabolite (MB46136) expressed as fipronil)                                       |                        |     | 0.005*                     | LC-MS/MS                    |                                       |
| 87.1    | Fipronil  | BLQ                    | BLQ | 0.005*                     | LC-MS/MS                    | 0.005                                 |
| 87.2    | Fipronil sulfone  | BLQ                    |     | 0.005*                     | LC-MS/MS                    |                                       |
| 88      | Flonicamid (sum of flonicamid, TNFG and TNFA) (R)   | BLQ                    |     | 0.03*                      |                             |                                       |
| 88.1    | Flonicamid  | BLQ                    | BLQ | 0.03*                      | LC-MS/MS                    | 0.01                                  |
| 88.2    | TNFG  | BLQ                    |     | 0.03*                      |                             |                                       |
| 88.3    | TNFA  | BLQ                    |     | 0.03*                      |                             |                                       |
| 89      | Flubendiamide   | BLQ                    | BLQ | 2.00                       | LC-MS/MS                    | 0.01                                  |
| 90      | Flufenacet (sum of all compounds containing the N fluorophenyl-N-isopropyl moiety expressed as flufenacet equivalent) | BLQ                    | BLQ | 0.05*                      | LC-MS/MS                    | 0.01                                  |
| 91      | Flufenoxuron  | BLQ                    | BLQ | 1.00                       | LC-MS/MS                    | 0.01                                  |
| 92      | Flufenzine  | BLQ                    | BLQ | 0.02                       | LC-MS/MS                    | 0.01                                  |
| 93      | Fluopicolide  | BLQ                    | BLQ | 2.00                       | LC-MS/MS                    | 0.01                                  |
| 94      | Fluopyram   | BLQ                    | BLQ | 1.50                       | LC-MS/MS                    | 0.01                                  |
| 95      | Flusilazole   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |

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| 96      | Fluxapyroxad   | BLQ                    | BLQ | 2.00                       | LC-MS/MS                    | 0.01                                  |
| 97      | Forchlorfenuron (CPPU)   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 98      | Fosetyl-Al (sum fosetyl + phosphonic acid and their salts, expressed as fosetyl)                       |                        | BLQ | 100                        | LC-MS/MS                    | 0.01                                  |
| 98.1    | Fosetyl and its salts  | BLQ                    |     | 100                        | LC-MS/MS                    | 0.01                                  |
| 98.2    | Phosphonic acid  | BLQ                    |     | 100                        | LC-MS/MS                    | 0.01                                  |
| 99      | Glufosinate-ammonium (sum of glufosinate, its salts, MPP and NAG expressed as glufosinate equivalents) |                        |     | 0.15                       | LC-MS/MS                    |                                       |
| 99.1    | Glufosinate-ammonium   | BLQ                    | BLQ | 0.15                       | LC-MS/MS                    | 0.01                                  |
| 99.2    | MPP  | BLQ                    |     | 0.15                       | LC-MS/MS                    |                                       |
| 99.3    | NAG  | BLQ                    |     | 0.15                       | LC-MS/MS                    |                                       |
| 100     | Glyphosate   | BLQ                    | BLQ | 0.50                       | LC-MS/MS                    | 0.01                                  |
| 101     | HCH (sum of isomers, except the <i>gamma</i> isomer)   |                        |     | 0.01*                      | GC-MS/MS                    |                                       |
| 101.1   | alpha-HCH  | BLQ                    | BLQ | 0.01*                      | GC-MS/MS                    | 0.01                                  |
| 101.2   | beta-HCH   | BLQ                    |     | 0.01*                      | GC-MS/MS                    |                                       |
| 101.3   | delta-HCH  | BLQ                    |     | 0.01*                      | GC-MS/MS                    |                                       |
| 102     | Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor)                          |                        |     | 0.01*                      | GC-MS/MS                    |                                       |
| 102.1   | Heptachlor   | BLQ                    | BLQ | 0.01*                      | GC-MS/MS                    | 0.01                                  |
| 102.2   | Heptachlor epoxide   | BLQ                    |     | 0.01*                      | GC-MS/MS                    |                                       |
| 103     | Hexaconazole   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 104     | Hexythiazox  | BLQ                    | BLQ | 1.00                       | LC-MS/MS                    | 0.01                                  |
| 105     | Homobrassinolide   | BLQ                    | BLQ | 0.01*†                     | LC-MS/MS                    | 0.01                                  |
| 106     | Hydrogen cyanamide (Cyanamide including salts expressed as cyanamide)                                  | BLQ                    | BLQ | 0.01*                      | HPLC                        | 0.01                                  |
| 107     | Imidacloprid   | BLQ                    | BLQ | 1.00                       | LC-MS/MS                    | 0.01                                  |
| 108     | Indoxacarb (sum of R and S isomers)  | BLQ                    | BLQ | 2.00                       | LC-MS/MS                    | 0.01                                  |

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| 109     | Iodosulfuron-methyl (iodosulfuron-methyl including salts, expressed as iodosulfuron-methyl) | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 110     | Iprobenphos   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 111     | Iprodione   | BLQ                    | BLQ | 20.0                       | GC-MS/MS                    | 0.05                                  |
| 112     | Iprovalicarb  | BLQ                    | BLQ | 2.00                       | LC-MS/MS                    | 0.01                                  |
| 113     | Isoprothiolane  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 114     | Isoproturon   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 115     | Kresoxim methyl   | BLQ                    | BLQ | 1.00                       | LC-MS/MS                    | 0.01                                  |
| 116     | Lambda-cyhalothrin  | BLQ                    | BLQ | 0.20                       | GC-MS/MS                    | 0.01                                  |
| 117     | Lead  | BLQ                    | BLQ | 0.10!                      | ICP                         | 0.10                                  |
| 118     | Lindane ( <i>gamma</i> -HCH)  | BLQ                    | BLQ | 0.01*                      | GC-MS/MS                    | 0.01                                  |
| 119     | Linuron   | BLQ                    | BLQ | 0.05*                      | LC-MS/MS                    | 0.01                                  |
| 120     | Lufenuron   | BLQ                    | BLQ | 1.00                       | LC-MS/MS                    | 0.01                                  |
| 121     | Malathion (sum of malathion and malaoxon expressed as malathion)                            |                        | BLQ | 0.02                       | LC-MS/MS                    | 0.01                                  |
| 121.1   | Malathion   | BLQ                    |     | 0.02                       | LC-MS/MS                    |                                       |
| 121.2   | Malaoxon  | BLQ                    |     | 0.02                       | LC-MS/MS                    |                                       |
| 122     | Mandipropamid   | BLQ                    | BLQ | 2.00                       | LC-MS/MS                    | 0.01                                  |
| 123     | Mepiquat  | BLQ                    | BLQ | 0.02                       | LC-MS/MS                    | 0.01                                  |
| 124     | Meptyldinocap (sum of 2,4 DNOPC and 2,4 DNOP expressed as meptyldinocap)                    | BLQ                    | BLQ | 1.00                       | LC-MS/MS                    | 0.01                                  |
| 125     | Metalaxyl & Metalaxyl-M   | BLQ                    | BLQ | 2.00                       | LC-MS/MS                    | 0.01                                  |
| 126     | Methamidophos   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 127     | Methomyl and Thiodicarb (sum of methomyl and thiodicarb expressed as methomyl)              |                        | BLQ | 0.02*                      | LC-MS/MS                    | 0.01                                  |
| 127.1   | Methomyl  | BLQ                    |     | 0.02*                      | LC-MS/MS                    |                                       |
| 127.2   | Thiodicarb  | BLQ                    |     | 0.02*                      | LC-MS/MS                    |                                       |



| 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 |                            |                             |                                       |          |
| 128     | Metolachlor and S-metolachlor (metolachlor including other mixtures of constituent isomers including S-metolachlor (sum of isomers)) | BLQ                    | BLQ | 0.05*                      | LC-MS/MS                    | 0.01                                  |          |
| 129     | Metrafenone  | BLQ                    | BLQ | 7.00                       | LC-MS/MS                    | 0.01                                  |          |
| 130     | Metribuzin   | BLQ                    | BLQ | 0.10*                      | LC-MS/MS                    | 0.01                                  |          |
| 131     | Milbemectin (sum of milbemycin A4 and milbemycin A3, expressed as milbemectin)   | BLQ                    | BLQ | 0.02*                      | LC-MS/MS                    | 0.02                                  |          |
| 131.1   | Milbemycin A3  | BLQ                    | BLQ | 0.02*                      | LC-MS/MS                    | 0.02                                  |          |
| 131.2   | Milbemycin A4  | BLQ                    | BLQ | 0.02*                      | LC-MS/MS                    | 0.02                                  |          |
| 132     | Monocrotophos  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |          |
| 133     | Myclobutanil   | BLQ                    | BLQ | 1.00                       | LC-MS/MS                    | 0.01                                  |          |
| 134     | Nereistoxin  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |          |
| 135     | Novaluron  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |          |
| 136     | Omethoate (refer to Dimethoate)  | BLQ                    | BLQ | 0.02*                      | LC-MS/MS                    | 0.01                                  |          |
| 137     | Oxadiazon  | BLQ                    | BLQ | 0.05*                      | LC-MS/MS                    | 0.01                                  |          |
| 138     | Oxycarboxin  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |          |
| 139     | Oxydemeton- methyl (sum of oxydemeton methyl and demeton-S-methylsulfone expressed as oxydemeton methyl)                             | BLQ                    |     | 0.01*                      | LC-MS/MS                    | 0.01                                  |          |
| 139.1   | Oxydemeton- methyl   |                        |     | BLQ                        | 0.01*                       |                                       | LC-MS/MS |
| 139.2   | Demeton-S-methylsulfone  |                        |     | BLQ                        | 0.01*                       |                                       | LC-MS/MS |
| 140     | Oxyfluorfen  | BLQ                    | BLQ | 0.10                       | GC-MS/MS                    | 0.01                                  |          |
| 141     | Paclobutrazol  | BLQ                    | BLQ | 0.05                       | LC-MS/MS                    | 0.01                                  |          |
| 142     | Paraquat   | BLQ                    | BLQ | 0.02*                      | LC-MS/MS                    | 0.01                                  |          |
| 143     | Parathion methyl (sum of Parathion methyl and paraoxon methyl expressed as Parathion methyl)   | BLQ                    |     | 0.01*                      | GC-MS/MS                    | 0.01                                  |          |

| 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 |                            |                             |                                       |
| 143.1   | Parathion methyl  | BLQ                    |     | 0.01*                      | GC-MS/MS                    |                                       |
| 143.2   | Paraoxon methyl   | BLQ                    |     | 0.01*                      | GC-MS/MS                    |                                       |
| 144     | Parathion ethyl   | BLQ                    | BLQ | 0.05*                      | GC-MS/MS                    | 0.01                                  |
| 145     | Penconazole   | BLQ                    | BLQ | 0.20                       | LC-MS/MS                    | 0.01                                  |
| 146     | Pencycuron  | BLQ                    | BLQ | 0.05*                      | LC-MS/MS                    | 0.01                                  |
| 147     | Pendimethalin   | BLQ                    | BLQ | 0.05*                      | LC-MS/MS                    | 0.01                                  |
| 148     | Permethrin (sum of isomers)   |                        | BLQ | 0.05*                      | GC-MS/MS                    | 0.01                                  |
| 148.1   | cis-Permethrin  | BLQ                    |     | 0.05*                      | GC-MS/MS                    |                                       |
| 148.2   | trans-Permethrin  | BLQ                    |     | 0.05*                      | GC-MS/MS                    |                                       |
| 149     | Phenthoate  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 150     | Phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate) |                        | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 150.1   | Phorate   | BLQ                    |     | 0.01*                      | LC-MS/MS                    |                                       |
| 150.2   | Phorate-sulfone   | BLQ                    |     | 0.01*                      | LC-MS/MS                    |                                       |
| 150.3   | Phorate-sulfoxide   | BLQ                    |     | 0.01*                      | LC-MS/MS                    |                                       |
| 151     | Phosalone   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 152     | Phosphamidon  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 153     | Picoxystrobin   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 154     | Pirimiphos-methyl   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 155     | Profenophos   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 156     | Propamocarb (sum of propamocarb and its salt expressed as propamocarb)                | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 157     | Propanil  | BLQ                    | BLQ | 0.01*                      | GC-MS/MS                    | 0.01                                  |
| 158     | Propargite  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 159     | Propetamphos  | BLQ                    | BLQ | 0.01*                      | GC-MS/MS                    | 0.01                                  |
| 160     | Propiconazole   | BLQ                    | BLQ | 0.30                       | LC-MS/MS                    | 0.01                                  |
| 161     | Propoxur  | BLQ                    | BLQ | 0.05                       | LC-MS/MS                    | 0.01                                  |
| 162     | Pyraclostrobin  | BLQ                    | BLQ | 1.00                       | LC-MS/MS                    | 0.01                                  |
| 163     | Pyridaben   | BLQ                    | BLQ | 0.50                       | LC-MS/MS                    | 0.01                                  |
| 164     | Pyriproxyfen  | BLQ                    | BLQ | 0.05*                      | GC-MS/MS                    | 0.01                                  |
| 165     | Quinalphos  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |
| 166     | Simazine  | BLQ                    | BLQ | 0.20                       | LC-MS/MS                    | 0.01                                  |

| 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 |                            |                             |                                       |          |
| 167     | Spinetoram  | BLQ                    | BLQ | 0.5                        | LC-MS/MS                    | 0.01                                  |          |
| 168     | Spinosad (sum of Spinosyn A+D)  | BLQ                    | BLQ | 0.50                       | LC-MS/MS                    | 0.01                                  |          |
| 168.1   | Spinosyn A  | BLQ                    |     | 0.50                       | LC-MS/MS                    |                                       |          |
| 168.2   | Spinosyn D  | BLQ                    |     | 0.50                       | LC-MS/MS                    |                                       |          |
| 169     | Spirodiclofen   | BLQ                    | BLQ | 2.00                       | LC-MS/MS                    | 0.01                                  |          |
| 170     | Spiromesifen  | BLQ                    | BLQ | 0.02*                      | LC-MS/MS                    | 0.01                                  |          |
| 171     | <i>tau</i> - Fluvalinate  | BLQ                    | BLQ | 1.0                        | GC-MS/MS                    | 0.01                                  |          |
| 172     | Tebuconazole  | BLQ                    | BLQ | 0.5                        | LC-MS/MS                    | 0.01                                  |          |
| 173     | Temephos  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |          |
| 174     | Tetraconazole   | BLQ                    | BLQ | 0.50                       | GC-MS/MS                    | 0.01                                  |          |
| 175     | Thiacloprid   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |          |
| 176     | Thiamethoxam (sum of thiamethoxam and clothianidin expressed as thiamethoxam) | BLQ                    | BLQ | 0.4                        | LC-MS/MS                    | 0.01                                  |          |
| 177     | Thiobencarb   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |          |
| 178     | Thiodicarb (see Methomyl)   | BLQ                    | BLQ | 0.02*                      | LC-MS/MS                    | 0.01                                  |          |
| 179     | Thiometon   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |          |
| 180     | Thiocyclam  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |          |
| 181     | Thiophanate-methyl  | BLQ                    | BLQ | 0.10*                      | LC-MS/MS                    | 0.01                                  |          |
| 182     | Tolfenpyrad   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |          |
| 183     | Transfluthrin   | BLQ                    | BLQ | 0.01*                      | GC-MS/MS                    | 0.01                                  |          |
| 184     | Triadimefon (sum of triadimefon and triadimenol)                              | BLQ                    | BLQ | 2.00                       | LC-MS/MS                    | 0.01                                  |          |
| 184.1   | Triadimefon   |                        |     | BLQ                        | 2.00                        |                                       | LC-MS/MS |
| 184.2   | Triadimenol   |                        |     | BLQ                        | 2.00                        |                                       | LC-MS/MS |
| 185     | Triazophos  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |          |
| 186     | Trichlorfon   | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |          |
| 187     | Tricyclazole  | BLQ                    | BLQ | 0.05*                      | LC-MS/MS                    | 0.01                                  |          |
| 188     | Tridemorph  | BLQ                    | BLQ | 0.01*                      | LC-MS/MS                    | 0.01                                  |          |
| 189     | Trifloxystrobin   | BLQ                    | BLQ | 3.00                       | LC-MS/MS                    | 0.01                                  |          |
| 190     | Trifluralin   | BLQ                    | BLQ | 0.01*                      | GC-MS/MS                    | 0.01                                  |          |
| 191     | Uracil  | BLQ                    | BLQ | 1.00†                      | LC-MS/MS                    | 1.00                                  |          |

\* 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.