



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

BIOAGRI ANALISES DE ALIMENTOS LTDA  
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CHEMICAL

Valid To: August 31, 2024

Certificate Number: 5180.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on food and feed:

| <u>Test(s)</u>                          | <u>Laboratory Test Method</u> | <u>Reference Method(s)</u>                                                                                                                                                                                                         |
|-----------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Allergen</b>                         |                               |                                                                                                                                                                                                                                    |
| Almond                                  | MR - PA 050                   | ELISA Immunoenzymatic Kit                                                                                                                                                                                                          |
| Betalactoglobulin                       | MR - PA 064                   | ELISA Immunoenzymatic Kit                                                                                                                                                                                                          |
| Casein                                  | MR - PA 073                   | ELISA Immunoenzymatic Kit                                                                                                                                                                                                          |
| Cashew Nut                              | MR - PA 054                   | ELISA Immunoenzymatic Kit                                                                                                                                                                                                          |
| Egg                                     | MR - PA 063                   | ELISA Immunoenzymatic Kit                                                                                                                                                                                                          |
| Gluten                                  | MR - PA-043                   | ELISA Immunoenzymatic Kit                                                                                                                                                                                                          |
| Peanut                                  | MR - PA 047                   | ELISA Immunoenzymatic Kit                                                                                                                                                                                                          |
| Soy                                     | MR - PA 046                   | ELISA Immunoenzymatic Kit                                                                                                                                                                                                          |
| <b>Residues</b>                         |                               |                                                                                                                                                                                                                                    |
| Determination of Acrylamide by LC-MS/MS | MR - PA 018                   | Rapid and Reproducible Extraction of Acrylamide in French Fries Using Single Spe Sorbent – Strata – X. C. Liming Peng; Tivadar Faakas; Lawrence Loo; Art Dixon; James Teuscher; Krishnna Kallury. Phenomex, Inc. Torrance, CA, USA |

| <b><u>Test(s)</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b><u>Laboratory Test Method</u></b> | <b><u>Reference Method(s)</u></b>                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Determination of Chlorates and Perchlorate by LC-MS/MS                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MR - PA 065                          | Quick Method for the Analysis of Numerous Highly Polar Pesticides in Foods of Plant Origin via LC-MS/MS Involving Simultaneous Extraction with Methanol (QuPpe-Method) Version 9.3 |
| Determination of Dioxins, Furans, and PCBs by GC-MS/MS:<br>2378-TCDF<br>2378-TCDD<br>12378-PeCDF<br>23478-PeCDF<br>12378-PeCDD<br>123478-HxCDF<br>123678-HxCDF<br>234678-HxCDF<br>123478-HxCDD<br>123678-HxCDD<br>123789-HxCDD<br>123789-HxCDF<br>1234678-HpCDF<br>1234678-HpCDD<br>1234789-HpCDF<br>OCDD<br>OCDF<br>PCB 81<br>PCB 77<br>PCB 123<br>PCB 118<br>PCB 114<br>PCB 105<br>PCB 126<br>PCB 167<br>PCB 156<br>PCB 157<br>PCB 169<br>PCB 189<br>PCB 28<br>PCB 52<br>PCB 101<br>PCB 153<br>PCB 138<br>PCB 180 | MR - PA 066                          | EPA 1613<br>EPA 1668b                                                                                                                                                              |
| Determination of Diquat and Paraquat by LC-MS/MS                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MR - PA 027                          | EURL-SRM - Quick Method for the Analysis of Numerous Highly Polar Pesticides in Food Involving Extraction with Acidified Methanol and LC-MS/MS Measurement, version 11065          |

| <b><u>Test(s)</u></b>                                                                                                                                                                                                                                                                               | <b><u>Laboratory Test Method</u></b> | <b><u>Reference Method(s)</u></b>                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Determination of Dithiocarbamates by GC-MS                                                                                                                                                                                                                                                          | MR - PA 024                          | Mujawar, Sumaiyya, et al. "Validation of a GC-MS Method for the Estimation of Dithiocarbamate Fungicide Residues and Safety Evaluation of Mancozeb in Fruits and Vegetables." Food Chemistry 150: 175-181   |
| Determination of Glyphosate and Glufosinate by LC-MS/MS                                                                                                                                                                                                                                             | MR - PA 032                          | Glyphosate Analysis by LC-MS/MS using FMOCDerivatization or Underivatized Method Matthew Trass. Allen Misa1 and James Turner                                                                                |
| Determination of Highly Polar Pesticides in Cereals and Fruits by LC-MS/MS:<br>AMPA<br>Ethephon<br>Fosetyl<br>Phosphonic Acid                                                                                                                                                                       | MR - PA 067                          | Quick Method for the Analysis of Numerous Highly Polar Pesticides in Foods of Plant Origin via LC-MS/MS Involving Simultaneous Extraction With Methanol (Quppe-Method)                                      |
| Determination of Mycotoxins in Cereals and Related Foodstuffs, Dairy Products by LC-MS/MS:<br><u>Cereal:</u><br>Aflatoxin B1, B2, G1, G2<br>Ochratoxin A<br>Fumonisin B1, B2<br>Zearalenone<br>Deoxynivalenol<br><br><u>Dairy Products:</u><br>Aflatoxin M1                                         | MR - PA 020                          | Mycotoxins in Cereals and Related Foodstuffs: A review on Occurrence and Recent Methods of Analysis. V.L. Pereira J.O. Fernandes S.C. Cunha. Trends in Food Science & Technology Volume 36, Issue 2, 96-136 |
| Determination of Pesticide Residues – Multiresidues Method (QuEChERS) by GC-MS/MS:<br>Cereals <sup>1</sup><br>Chocolate and Cocoa Products <sup>2</sup><br>Coffee bean <sup>3</sup><br>Fruits – High content Water <sup>4</sup><br>Oily Seeds and Products <sup>5</sup><br>Soybean <sup>6</sup>     | MR - PA 002<br>MR - PA 072           | AS-CC013.01 – Determination of Pesticide Residues by GC-MS/MS Food or Vegetable Origin QuEChERS – GC MS/MS                                                                                                  |
| Determination of Pesticide Residues – Multiresidues Method (QuEChERS) by LC-MS/MS:<br>Cereals <sup>7</sup><br>Chocolate and Cocoa Products <sup>8</sup><br>Coffee Beans <sup>9</sup><br>Fruits – High Content Water <sup>10</sup><br>Oily Seeds and Products <sup>11</sup><br>Soybean <sup>12</sup> | MR - PA 002<br>MR - PA 072           | AS-CC014.01 – Determination of Pesticide Residues by LC-MS/MS Food or Vegetable Origin QuEChERS – LC-MS/MS                                                                                                  |

| <b><u>Test(s)</u></b>                              | <b><u>Laboratory Test Method</u></b> | <b><u>Reference Method(s)</u></b>                                                                                                                                                                                                                             |
|----------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Wet Chemistry</b>                               |                                      |                                                                                                                                                                                                                                                               |
| Acidity by Titration                               | FQ - PA 255                          | AOAC 947.05;<br>AOCS Cd 3d-63;<br>Brazilian Compendium of<br>Animal Feeding. Method No27;<br>Institute Adolfo Lutz. 4.<br>Method No 016/ IV;<br>ISO 11869;<br>Manual of Official Methods for<br>Analysis of Foods of Animal<br>Origin, MAPA: Item 2.2 and 2.3 |
| Ash by Ignition (Muffle Furnace)                   | FQ - PA 250                          | AOAC 930.30;<br>AOAC 945.46;<br>Brazilian Compendium of<br>Animal Feeding Method No. 5                                                                                                                                                                        |
| Ash Insoluble in Acid                              | MB - PA 119                          | AOAC 941.12;<br>AOAC 975.48                                                                                                                                                                                                                                   |
| Carbohydrates and Energetic Value<br>(Calculation) | FQ - PA 260                          | ANVISA RDC 360;<br>ANVISA RDC 429                                                                                                                                                                                                                             |
| Cholesterol by GC-FID                              | FQ - PA 217                          | AOAC 994.10 (45.4.10)<br>Silliker Chemistry Method –<br>QA-0250-4914.06 Cholesterol in<br>Various Foods                                                                                                                                                       |
| Crude Fiber                                        | FQ - PA 270                          | Brazilian Compendium of<br>Animal Feeding. Method N° 18<br>(Modified)                                                                                                                                                                                         |
| Fat by Soxhlet Method                              | FQ - PA 251                          | Brazilian Compendium of<br>Animal Feeding Method N° 14<br>and 15                                                                                                                                                                                              |
| Fat by Butyrometer Method                          | FQ - PA 251                          | ISO 3433<br>NMKL 40                                                                                                                                                                                                                                           |
| Fat by Mojonnier Ether Extraction with<br>Ammonia  | FQ - PA 251                          | ISO 1211<br>ISO 1736<br>ISO 1737<br>ISO 7208<br>ISO 7328                                                                                                                                                                                                      |

| <b><u>Test(s)</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b><u>Laboratory Test Method</u></b> | <b><u>Reference Method(s)</u></b>                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------|
| Fatty Acids – Composition of Saturated, Unsaturated, and Trans Fatty Acids by GC-FID:<br>C4:0<br>C6:0<br>C8:0<br>C10:0<br>C11:0<br>C12:0<br>C13:0<br>C14:0<br>C14:1<br>C15:0<br>C15:1<br>C16:0<br>C16:1<br>C17:0<br>C17:1<br>C18:0<br>C18:1n9t<br>C18:1n9c<br>C18:2n6t<br>C18:2n6c<br>C18:3n6<br>C18:3n3<br>C20:0<br>C20:1n9<br>C20:2n6<br>C20:3n6<br>C20:3n3<br>C20:4n6<br>C20:5n3<br>C21:0<br>C22:0<br>C22:1n9<br>C22:2<br>C22:6n3<br>C23:0<br>C24:0<br>C24:1n9<br>Monounsaturated Fatty Acids<br>Polyunsaturated Fatty Acids<br>Saturated Fatty Acids<br>Trans Fatty Acids | FQ - PA 005                          | AOAC 996.06 (Modified)                                                                 |
| Moisture/Dry Residue by Forced Air Oven (Gravimetric)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FQ - PA 249                          | Institute Adolfo Lutz. 4.<br>ISO 3727-1;<br>ISO 6731;<br>ISO 6734;<br>Method No 12/ IV |
| pH by Potentiometry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FQ - PA 254                          | Institute Adolfo Lutz. 4.<br>Method No 017/ IV                                         |

| <b><u>Test(s)</u></b>                                                                                                                                                | <b><u>Laboratory Test Method</u></b> | <b><u>Reference Method(s)</u></b>                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------------|
| Protein by Kjeldahl Method by Boric Acid Method                                                                                                                      | FQ - PA 253                          | ISO 1871<br>ISO 8968-1                           |
| Peroxide Index by Titration                                                                                                                                          | FQ - PA 257                          | Brazilian Compendium of Animal Feeding Method 33 |
| Sugar Profile in Cereals, Beverages, Powered Milk and Derivative, Chocolate and Cocoa Products by LC -RID<br>Fructose<br>Glucose<br>Lactose<br>Maltose<br>Saccharose | FQ - PA 277                          | AOAC 980.13 (Modified)                           |
| Total Sugar by Titration                                                                                                                                             | FQ - PA 271                          | Brazilian Compendium of Animal Feeding Method 24 |
| Total Dietary Fiber                                                                                                                                                  | FQ - PA 259                          | AOAC 991.43                                      |
| Vitamin B9 by HPLC-UV                                                                                                                                                | FQ - PA 276                          | FQ - PA 276 (Internal Method)                    |
| Vitamin C by HPLC-UV                                                                                                                                                 | FQ - PA 275                          | AOAC 2012.21 (Modified)                          |
| Water Activity                                                                                                                                                       | FQ - PA 256                          | ISO 18787                                        |

<sup>1</sup>Determination of Pesticide Residues – Multiresidues Method (QuEChERS) by GC-MS/MS in Cereals:

|                       |                         |                             |
|-----------------------|-------------------------|-----------------------------|
| 2,6-Dichlorobenzamide | Butachlor               | Clomazone                   |
| 3,5-Dichloroaniline   | Butafenacil             | Cloquintocet-Mexyl          |
| Acetochlor            | Butralin                | Crotoxypfos                 |
| Acrinathrin           | Butylate                | Cyanazine                   |
| Alachlor              | Cadusafos               | Cyanofenphos                |
| Aldrin                | Captafol                | Cyanophos                   |
| Ametryn               | Captan                  | Cyfluthrin (sum of isomers) |
| Aspon                 | Carbophenotion          | Cyhalothrin (lambda)        |
| Azaconazole           | Chinomethionate         | Cymiazole                   |
| Benalaxyl             | Chlorbenside            | Cypermethrin (sum)          |
| Benfluralin           | Chlordane-cis (alpha)   | Cyprazine                   |
| Benodanil             | Chlordane-trans (gamma) | Cyproconazole               |
| BHC-alfa              | Chlordimeform           | Deltamethrin                |
| BHC-beta              | Chlorfenapyr            | Demeton O                   |
| BHC-delta             | Chlorfenson             | Desmetryn                   |
| BHC-gamma (Lindane)   | Chlorfenvinphos         | Dialifos                    |
| Bifenox               | Chlorflurecol-Methyl    | Diallate (I + II)           |
| Bifenthrin            | Chlormephos             | Dichlobenil                 |
| Biphenyl              | Chloropropylate         | Dichlofenthion              |
| Bitertanol            | Chlorpropham            | Dichlofluanid + DMSA        |
| Boscalid              | Chlorpyrifos-Ethyl      | Dichloran                   |
| Bromocyclen           | Chlorpyrifos-Methyl     | Dichlorvos                  |
| Bromophos-ethyl       | Chlorthal-Dimethyl      | Diclobutrazol               |
| Bromophos-methyl      | Chlorthion              | Diclofop-Methyl             |
| Bromopropylate        | Chlorthiophos           | Diclorobenzofenone-4,4'     |
| Bupirimate            | Chlozolate              | Dieldrin                    |
| Buprofezin            | Climbazole              | Diethatyl-Ethyl             |

|                             |                         |                         |
|-----------------------------|-------------------------|-------------------------|
| Diflufenican                | Fosthiazate (Sum)       | Parathion               |
| Dimepiperate                | Furalaxyl               | Parathion-Methyl        |
| Dimethenamid                | Halfenprox              | Penconazole             |
| Dimoxystrobin               | Heptachlor              | Pencycuron              |
| Dinitramine                 | Heptachlor Endo-Epoxide | Pendimethalin           |
| Dioxathion                  | Heptachlor Exo-Epoxide  | Pentachloroaniline      |
| Dioxathion-fragment         | Hexachlorobenzene       | Pentachloroanizole      |
| Diphenamid                  | Hexazinone              | Permethrin (I + II)     |
| Diphenylamine               | Iodofenphos             | Perthane                |
| Dipropetryn                 | Iprobenfos              | Phenthoate              |
| Disulfoton                  | Iprodione               | Phorate                 |
| Edifenphos                  | Iprovalicarb (I + II)   | Phorate Oxon            |
| Endosulfan I (alpha isomer) | Isazophos               | Phorate Sulfone         |
| Endosulfan II (beta isomer) | Isocarbophos            | Phosalone               |
| Endosulfan Sulfate          | Isodrin                 | Phosphamidon (I + II)   |
| Endrin                      | Isofenphos              | Picolinafen             |
| EPN                         | Isofenphos-Methyl       | Piperophos              |
| EPTC                        | Isopropalin             | Pirimicarb              |
| Eptenophos                  | Isoprothiolane          | Pirimicarb Desmethyl    |
| Etaconazole (Sum)           | Isoxadifen-Ethyl        | Pirimiphos-Ethyl        |
| Ethalfuralin                | Isoxathion              | Pirimiphos-Methyl       |
| Ethion                      | Lactofen                | p-Phenylphenol          |
| Ethofenprox                 | Lenacil                 | Procymidone             |
| Ethoprophos                 | Leptophos               | Profenofos              |
| Etrimfos                    | Malaoxon                | Profluralin             |
| Famphur                     | Malathion               | Prometon                |
| Fenarimol                   | Mefenpyr-Diethyl        | Prometryn               |
| Fenbuconazole               | Mepanipyrim             | Pronamide (Propyzamide) |
| Fenchlorphos                | Mepronil                | Propanyl                |
| Fenhexamid                  | Metazachlor             | Propazine               |
| Fenitrothion                | Methidathion            | Propetamphos            |
| Fenpropathrin               | Methoprotryne           | Propham                 |
| Fenson                      | Methoxychlor            | Proquinazid             |
| Fensulfothion               | Methoxychlor-Fragment   | Prothiofos              |
| Fenthion                    | Metolachlor             | Prothoate               |
| Fenthion Oxon               | Metribuzin              | Pyrazophos              |
| Fenthion-Sulfone            | Mevinphos               | Pyridaphenthion         |
| Fenvalerate (I + II)        | Mirex                   | Pyrimethanil            |
| Fipronil                    | Myclobutanil            | Quinalphos              |
| Fipronil Desulfynil         | Nitrapyrin              | Quinoclamine            |
| Fipronil Sulfone            | Nitrofen                | Quinoxifen              |
| Flamprop-Isopropyl          | Nitrothal-Isopropyl     | Quintozone              |
| Flamprop-Methyl             | Norflurazon             | Quizalofop-ethyl        |
| Fluazifop-p-Butyl           | Nuarimol                | Resmethrin (I + II)     |
| Fluchloralin                | o,p'-DDD                | S421                    |
| Flucythrinate (I + II)      | o,p'-DDE                | Silafluofen             |
| Fludioxonil                 | Ofurace                 | Simazine                |
| Flufenacet                  | o-Phenylphenol          | Simetryn                |
| Flumetralin                 | Oxadiazon               | Sulfallate              |
| Fluopicolide                | Oxadixyl                | Sulfotep                |
| Flusilazole                 | Oxyfluorfen             | Sulprofos               |
| Flutolanil                  | p,p'-DDD + o,p'-DDT     | Tebuconazole            |
| Fluvalinate Tau (Sum)       | p,p'-DDE                | Tebufenpyrad            |
| Fonofos                     | p,p'-DDT                | Tebupirimphos           |
| Formothion                  | Paclobutrazol           | Tebuthiuron             |

|                         |                     |              |
|-------------------------|---------------------|--------------|
| Tecnazene (TCNB)        | Tetraclorvinphos    | Triadimenol  |
| Tefluthrin              | Tetraconazole       | Triallate    |
| Telodrin (Isobenzan)    | Tetradifon          | Trichlorfon  |
| Terbacil                | Tetrahydrophtalimid | Trichloronat |
| Terbufos                | Thiobencarb         | Triflumizole |
| Terbumeton              | Thiometon           | Trifluralin  |
| Terbuthylazine          | Tolclofos-Methyl    | Uniconazole  |
| Terbuthylazine-Desethyl | Transfluthrin       | Vinclozolin  |
| Terbutryn               | Triadimefon         |              |

<sup>2</sup>Determination of Pesticide Residues – Multiresidues Method (QuEChERS) by GC-MS/MS in Chocolate and Cocoa Products:

|                         |                             |                             |
|-------------------------|-----------------------------|-----------------------------|
| 2,6-Dichlorobenzamide   | Chlorflurecol-Methyl        | Dimepiperate                |
| 3,5-Dichloroaniline     | Chlormephos                 | Dimethenamid                |
| Acetochlor              | Chloroneb                   | Dimoxystrobin               |
| Acrinathrin             | Chloropropylate             | Diniconazole                |
| Alachlor                | Chlorothalonil              | Dinitramine                 |
| Aldrin                  | Chlorpropham                | Dinoseb                     |
| Ametryn                 | Chlorpyrifos-Ethyl          | Dioxathion                  |
| Aspon                   | Chlorpyrifos-Methyl         | Dioxathion-Fragment         |
| Azaconazole             | Chlorthal-Dimethyl          | Diphenamid                  |
| Benalaxyl               | Chlorthion                  | Diphenylamine               |
| Benfluralin             | Chlorthiophos               | Dipropetryn                 |
| Benodanil               | Chlozolate                  | Disulfoton                  |
| BHC-alfa                | Climbazole                  | Disulfoton Sulfone          |
| BHC-beta                | Clomazone                   | Ditalimfos                  |
| BHC-delta               | Cloquintocet-Mexyl          | DMSA                        |
| BHC-gamma (Lindane)     | Crotoxyphos                 | DMST                        |
| Bifenox                 | Cyanazine                   | Edifenphos                  |
| Bifenthrin              | Cyanofenphos                | Endosulfan I (alpha isomer) |
| Bitertanol              | Cyanophos                   | Endosulfan II (beta isomer) |
| Bromocyclen             | Cyfluthrin (Sum of Isomers) | Endosulfan Sulfate          |
| Bromophos-Ethyl         | Cyhalothrin (Gamma)         | Endrin                      |
| Bromophos-Methyl        | Cyhalothrin (Lambda)        | EPN                         |
| Bromopropylate          | Cymiazole                   | EPTC                        |
| Bromuconazole (I + II)  | Cypermethrin (Sum)          | Eptenophos                  |
| Bupirimate              | Cyprazine                   | Etaconazole (sum)           |
| Buprofezin              | Cyproconazole               | Ethalfuralin                |
| Butachlor               | Deltamethrin                | Ethion                      |
| Butafenacil             | Demeton O                   | Ethofenprox                 |
| Butralin                | Desmetryn                   | Ethoprophos                 |
| Butylate                | Dialifos                    | Ethoxyquin                  |
| Cadusafos               | Diallate (I + II)           | Etrimefos                   |
| Captafol                | Dichlobenil                 | Famphur                     |
| Captan                  | Dichlofenthion              | Fenarimol                   |
| Carbophenotion          | Dichlofluanid               | Fenchlorphos                |
| Chinomethionate         | Dichloran                   | Fenhexamid                  |
| Chlorbenside            | Dichlorvos                  | Fenitrothion                |
| Chlordane-cis (alpha)   | Diclobutrazol               | Fenpropathrin               |
| Chlordane-trans (gamma) | Diclofop-Methyl             | Fenson                      |
| Chlordimeform           | Diclorobenzofenone-4,4'     | Fensulfthion                |
| Chlorfenapyr            | Diieldrin                   | Fenthion                    |
| Chlorfenson             | Diethatyl-Ethyl             | Fenthion Oxon               |
| Chlorfenvinphos         | Diiflufenican               | Fenthion-Sulfone            |



|                         |                         |                         |
|-------------------------|-------------------------|-------------------------|
| Fenvalerate (I + II)    | Methoxychlor-Fragment   | Propham                 |
| Fipronil                | Metolachlor             | Propiconazole (I + II)  |
| Fipronil Desulfynil     | Metribuzin              | Proquinazid             |
| Fipronil Sulfone        | Mevinphos               | Prothiofos              |
| Flamprop-Isopropyl      | Mirex                   | Prothoate               |
| Flamprop-Methyl         | Myclobutanil            | Pyrazophos              |
| Fluazifop-p-Butyl       | Nitrapyrin              | Pyridaphenthion         |
| Fluchloralin            | Nitrofen                | Pyrimethanil            |
| Flucythrinate (I + II)  | Nitrothal-Isopropyl     | Quinalphos              |
| Fludioxonil             | Norflurazon             | Quinoclamine            |
| Flufenacet              | Nuarimol                | Quinoxifen              |
| Flumetralin             | o,p'-DDD                | Quintozene              |
| Fluopicolide            | o,p'-DDE                | Quizalofop-Ethyl        |
| Flusilazole             | Ofurace                 | Resmethrin (I + II)     |
| Flutolanil              | o-Phenylphenol          | S421                    |
| Flutriafol              | Oxadiazon               | Silafluofen             |
| Fluvalinate Tau (Sum)   | Oxyfluorfen             | Simazine                |
| Folpet                  | p,p'-DDD + o,p'-DDT     | Simetryn                |
| Fonofos                 | p,p'-DDE                | Sulfallate              |
| Formothion              | p,p'-DDT                | Sulfotep                |
| Fosthiazate (Sum)       | Paclobutrazol           | Sulprofos               |
| Furalaxyl               | Parathion               | Tebuconazole            |
| Halfenprox              | Parathion-Methyl        | Tebufenpyrad            |
| Heptachlor              | Penconazole             | Tebupirimphos           |
| Heptachlor Endo-Epoxide | Pencycuron              | Tebuthiuron             |
| Heptachlor Exo-Epoxide  | Pendimethalin           | Tecnazene (TCNB)        |
| Hexachlorobenzene       | Pentachloroaniline      | Tefluthrin              |
| Iodofenphos             | Pentaclhoroanizole      | Telodrin (Isobenzan)    |
| Iprobenfos              | Permethrin (I + II)     | Terbufos                |
| Iprodione               | Perthane                | Terbumeton              |
| Iprovalicarb (I + II)   | Phenthoate              | Terbuthylazine          |
| Isazophos               | Phorate                 | Terbuthylazine-Desethyl |
| Isocarbophos            | Phorate Oxon            | Terbutryn               |
| Isodrin                 | Phorate Sulfone         | Tetraclorvinphos        |
| Isafenphos              | Phosalone               | Tetraconazole           |
| Isafenphos-Methyl       | Phosphamidon (I + II)   | Tetradifon              |
| Isopropalin             | Picolinafen             | Tetrahydroptalimid      |
| Isoprothiolane          | Piperophos              | Thiobencarb             |
| Isoxadifen-Ethyl        | Pirimicarb              | Thiometon               |
| Isoxathion              | Pirimicarb Desmethyl    | Tolclofos-Methyl        |
| Lactofen                | Pirimiphos-Ethyl        | Tolyfluanide            |
| Leptophos               | Pirimiphos-Methyl       | Transfluthrin           |
| Malaoxon                | p-Phenylphenol          | Triadimefon             |
| Malathion               | Procymidone             | Triadimenol             |
| Mefenpyr-Diethyl        | Profenofos              | Triallate               |
| Mepanipyrim             | Profluralin             | Trichlorfon             |
| Mepronil                | Prometon                | Trichloronat            |
| Metalaxyl               | Prometryn               | Triflumizole            |
| Metazachlor             | Pronamide (Propyzamide) | Trifluralin             |
| Methidathion            | Propanyl                | Uniconazole             |
| Methoprotryne           | Propazine               | Vinclozolin             |
| Methoxychlor            | Propetamphos            |                         |

|                         |                             |                         |
|-------------------------|-----------------------------|-------------------------|
| 2,6-Dichlorobenzamide   | Chlozolate                  | Etaconazole (Sum)       |
| 3,5-Dichloroaniline     | Climbazole                  | Ethalfuralin            |
| Acetochlor              | Clomazone                   | Ethion                  |
| Acrinathrin             | Cloquintocet-Mexyl          | Ethofenprox             |
| Alachlor                | Crotoxyphos                 | Ethoprophos             |
| Aldrin                  | Cyanofenphos                | Etrimfos                |
| Ametryn                 | Cyanophos                   | Famphur                 |
| Aspon                   | Cyfluthrin (Sum of Isomers) | Fenarimol               |
| Azaconazole             | Cyhalothrin (gamma)         | Fenbuconazole           |
| Benalaxyl               | Cyhalothrin (lambda)        | Fenchlorphos            |
| Benfluralin             | Cymiazole                   | Fenhexamid              |
| Benodanil               | Cypermethrin (Sum)          | Fenitrothion            |
| BHC-alfa                | Cyprazine                   | Fenpropathrin           |
| BHC-beta                | Cyproconazole               | Fenson                  |
| BHC-delta               | Deltamethrin                | Fensulfothion           |
| BHC-gamma (Lindane)     | Demeton O                   | Fenthion                |
| Bifenox                 | Desmetryn                   | Fenthion Oxon           |
| Bifenthrin              | Dialifos                    | Fenthion-Sulfone        |
| Biphenyl                | Diallate (I + II)           | Fenvalerate (I + II)    |
| Bitertanol              | Dichlobenil                 | Fipronil                |
| Bromocyclen             | Dichlofenthion              | Fipronil Desulfynil     |
| Bromophos-Ethyl         | Dichlofluandil              | Fipronil Sulfone        |
| Bromophos-Methyl        | Dichloran                   | Flamprop-Isopropyl      |
| Bromopropylate          | Dichlorvos                  | Flamprop-Methyl         |
| Bupirimate              | Diclobutrazol               | Fluazifop-p-butyl       |
| Buprofezin              | Diclofop-methyl             | Fluchloralin            |
| Butachlor               | Diclorobenzofenone-4,4'     | Flucythrinate (I + II)  |
| Butafenacil             | Dieldrin                    | Fludioxonil             |
| Butralin                | Diethyl-ethyl               | Flufenacet              |
| Butylate                | Diiflufenican               | Flumetralin             |
| Cadusafos               | Dimepiperate                | Fluopicolide            |
| Captafol                | Dimethenamid                | Flusilazole             |
| Captan                  | Dimoxystrobin               | Flutolanil              |
| Carbophenotion          | Diniconazole                | Flutriafol              |
| Chinomethionate         | Dinitramine                 | Fluvalinate Tau (Sum)   |
| Chlorbenside            | Dinoseb                     | Fonofos                 |
| Chlordane-cis (alpha)   | Dioxathion                  | Formothion              |
| Chlordane-trans (gamma) | Dioxathion-Fragment         | Fosthiazate (Sum)       |
| Chlordimeform           | Diphenamid                  | Furalaxyl               |
| Chlorfenapyr            | Diphenylamine               | Halfenprox              |
| Chlorfenson             | Disulfoton                  | Heptachlor              |
| Chlorfenvinphos         | Disulfoton Sulfone          | Heptachlor Endo-Epoxide |
| Chlorflurecol-Methyl    | Ditalimfos                  | Heptachlor Exo-Epoxide  |
| Chlormephos             | DMSA                        | Hexachlorobenzene       |
| Chloroneb               | DMST                        | Hexazinone              |
| Chloropropylate         | Edifenphos                  | Iodofenphos             |
| Chlorothalonil          | Endosulfan I (alpha Isomer) | Iprobenfos              |
| Chlorpropham            | Endosulfan II (beta Isomer) | Iprodione               |
| Chlorpyrifos-Ethyl      | Endosulfan Sulfate          | Iprovalicarb (I + II)   |
| Chlorpyrifos-Methyl     | Endrin                      | Isazophos               |
| Chlorthal-Dimethyl      | EPN                         | Isocarbophos            |
| Chlorthion              | EPTC                        | Isodrin                 |
| Chlorthiophos           | Eptenophos                  | Isufenphos              |

|                       |                         |                         |
|-----------------------|-------------------------|-------------------------|
| Isofenphos-Methyl     | Penconazole             | Quizalofop-Ethyl        |
| Isopropalin           | Pencycuron              | Resmethrin (I + II)     |
| Isoprothiolane        | Pendimethalin           | S421                    |
| Isoxadifen-Ethyl      | Pentachloroaniline      | Silafluofen             |
| Isoxathion            | Pentachloroanizole      | Simazine                |
| Lactofen              | Permethrin (I + II)     | Simetryn                |
| Lenacil               | Perthane                | Sulfallate              |
| Leptophos             | Phenthoate              | Sulfotep                |
| Malaoxon              | Phorate                 | Sulprofos               |
| Malathion             | Phorate Oxon            | Tebuconazole            |
| Mefenpyr-Diethyl      | Phorate Sulfone         | Tebufenpyrad            |
| Mepanipyrim           | Phosalone               | Tebupirimphos           |
| Mepronil              | Phosphamidon (I + II)   | Tebuthiuron             |
| Metazachlor           | Picolinafen             | Tecnazene (TCNB)        |
| Methidathion          | Piperophos              | Tefluthrin              |
| Methoprotetryne       | Pirimicarb              | Telodrin (Isobenzan)    |
| Methoxychlor          | Pirimicarb Desmethyl    | Terbacil                |
| Methoxychlor-Fragment | Primingphos-Ethyl       | Terbufos                |
| Metolachlor           | Primingphos-Methyl      | Terbumeton              |
| Metribuzin            | p-Phenylphenol          | Terbuthylazine          |
| Mevinphos             | Procymidone             | Terbuthylazine-Desethyl |
| Mirex                 | Profenofos              | Terbutryn               |
| Myclobutanil          | Profluralin             | Tetrachlorvinphos       |
| Nitrapyrin            | Prometon                | Tetraconazole           |
| Nitrofen              | Prometryn               | Tetradifon              |
| Nitrothal-Isopropyl   | Pronamide (Propyzamide) | Tetrahydrophthalimid    |
| Norflurazon           | Propanyl                | Tetrasul                |
| Nuarimol              | Propazine               | Thiometon               |
| o,p'-DDD              | Propetamphos            | Tolclofos-Methyl        |
| o,p'-DDE              | Propham                 | Tolylfluanide           |
| Ofurace               | Propiconazole (I + II)  | Transfluthrin           |
| o-Phenylphenol        | Proquinazid             | Triadimefon             |
| Oxadiazon             | Prothiofos              | Triadimenol             |
| Oxadixyl              | Prothoate               | Triallate               |
| Oxyfluorfen           | Pyrazophos              | Trichlorfon             |
| p,p'-DDD + o,p'-DDT   | Pyridaphenthion         | Trichloronat            |
| p,p'-DDE              | Pyrimethanil            | Triflumizole            |
| p,p'-DDT              | Quinalphos              | Trifluralin             |
| Paclobutrazol         | Quinoclamine            | Uniconazole             |
| Parathion             | Quinoxifen              | Vinclozolin             |
| Parathion-Methyl      | Quintozone              |                         |

<sup>4</sup>Determination of Pesticide Residues – Multiresidues Method (QuEChERS) by GC-MS/MS in Fruits – High Content Water:

|                       |                     |                 |
|-----------------------|---------------------|-----------------|
| 2,6-Dichlorobenzamide | Benfluralin         | Bromocyclen     |
| 3,5-Dichloroaniline   | Benodanil           | Bromophos-Ethyl |
| Acetochlor            | BHC-alfa            | Bromopropylate  |
| Acrinathrin           | BHC-beta            | Bupirimate      |
| Alachlor              | BHC-delta           | Buprofezin      |
| Aldrin                | BHC-gamma (Lindane) | Butachlor       |
| Ametryn               | Bifenox             | Butafenacil     |
| Aspon                 | Bifenthrin          | Butralin        |
| Azaconazole           | Biphenyl            | Butylate        |
| Benalaxyl             | Bitertanol          | Cadusafos       |

|                             |                             |                         |
|-----------------------------|-----------------------------|-------------------------|
| Carbophenotion              | Endosulfan I (alpha Isomer) | Lactofen                |
| Chlorbenside                | Endosulfan II (beta Isomer) | Lenacil                 |
| Chlordane-cis (alpha)       | Endosulfan Sulfate          | Mefenpyr-Diethyl        |
| Chlordane-trans (gamma)     | Endrin                      | Mepanipyrim             |
| Chlordimeform               | EPN                         | Mepronil                |
| Chlorfenapyr                | EPTC                        | Metazachlor             |
| Chlorfenson                 | Etaconazole (Sum)           | Methoprotryne           |
| Chlorfenvinphos             | Ethalfuralin                | Methoxychlor-Fragment   |
| Chlorflurecol-Methyl        | Ethion                      | Metolachlor             |
| Chlormephos                 | Ethofenprox                 | Metribuzin              |
| Chloroneb                   | Ethoprophos                 | Mirex                   |
| Chloropropylate             | Ethoxyquin                  | Myclobutanil            |
| Chlorpropham                | Etrinfos                    | Nitrofen                |
| Chlorpyrifos-Ethyl          | Fenarimol                   | Nitrothal-Isopropyl     |
| Chlorpyrifos-Methyl         | Fenbuconazole               | Norflurazon             |
| Chlorthal-Dimethyl          | Fenchlorphos                | Nuarimol                |
| Chlorthiophos               | Fenhexamid                  | o,p'-DDD                |
| Chlozolate                  | Fenprothrin                 | o,p'-DDE                |
| Climbazole                  | Fenson                      | Ofurace                 |
| Clomazone                   | Fenthion                    | o-Phenylphenol          |
| Cyanofenphos                | Fenthion Oxon               | Oxadiazon               |
| Cyfluthrin (Sum of Isomers) | Fenvalerate (I + II)        | Oxadixyl                |
| Cyhalothrin (Gamma)         | Fipronil                    | Oxyfluorfen             |
| Cyhalothrin (Lambda)        | Fipronil Desulfynil         | p,p'-DDD + o,p'-DDT     |
| Cymiazole                   | Fipronil Sulfone            | p,p'-DDE                |
| Cypermethrin (Sum)          | Flamprop-Isopropyl          | p,p'-DDT                |
| Cyprazine                   | Flamprop-Methyl             | Paclobutrazol           |
| Cyproconazole               | Fluazifop-p-Butyl           | Parathion               |
| Deltamethrin                | Fluchloralin                | Penconazole             |
| Demeton O                   | Flucythrinate (I + II)      | Pencycuron              |
| Desmetryn                   | Fludioxonil                 | Pendimethalin           |
| Dialifos                    | Flufenacet                  | Pentachloroaniline      |
| Diallate (I + II)           | Flumetralin                 | Pentachloroanizole      |
| Dichlobenil                 | Fluopicolide                | Permethrin (I + II)     |
| Dichlofenthion              | Flusilazole                 | Perthane                |
| Dichloran                   | Flutolanil                  | Phenthoate              |
| Diclobutrazol               | Flutriafol                  | Phorate                 |
| Diclofop-methyl             | Fonofos                     | Phorate sulfone         |
| Diclorobenzofenone-4,4'     | Formothion                  | Phosalone               |
| Dieldrin                    | Furalaxyl                   | Picolinafen             |
| Diethatyl-Ethyl             | Halfenprox                  | Piperophos              |
| Diffufenican                | Heptachlor                  | Pirimicarb              |
| Dimepiperate                | Heptachlor Endo-Epoxyde     | Pirimicarb Desmethyl    |
| Dimethenamid                | Heptachlor Exo-Epoxyde      | Pirimiphos-Ethyl        |
| Dimethomorph (I + II)       | Hexachlorobenzene           | Pirimiphos-Methyl       |
| Dimoxystrobin               | Hexazinone                  | p-Phenylphenol          |
| Diniconazole                | Iodofenphos                 | Procymidone             |
| Dinitramine                 | Iprobenfos                  | Profluralin             |
| Dioxathion-Fragment         | Iprovalicarb (I + II)       | Prometon                |
| Diphenamid                  | IsazophosIsodrin            | Prometryn               |
| Diphenylamine               | Isofenphos                  | Pronamide (Propyzamide) |
| Dipropetryn                 | Isofenphos-Methyl           | Propanyl                |
| Disulfoton                  | Isopropalin                 | Propazine               |
| Ditalimfos                  | Isoprothiolane              | Propetamphos            |
| Edifenphos                  | Isoxadifen-Ethyl            | Propham                 |

|                     |                         |                      |
|---------------------|-------------------------|----------------------|
| Proquinazid         | Sulfotep                | Tetraconazole        |
| Prothiofos          | Sulprofos               | Tetradifon           |
| Prothoate           | Tebuconazole            | Tetrahydrophthalimid |
| Pyrazophos          | Tebuflufenpyrad         | Tetrasul             |
| Pyrimethanil        | Tebupirimphos           | Thiobencarb          |
| Quinalphos          | Tebuthiuron             | Thiometon            |
| Quinoclamine        | Tecnazene (TCNB)        | Tolclofos-Methyl     |
| Quinoxyfen          | Tefluthrin              | Transfluthrin        |
| Quintozene          | Telodrin (Isobenzan)    | Triadimefon          |
| Quizalofop-ethyl    | Terbacil                | Triallate            |
| Resmethrin (I + II) | Terbufos                | Trichloronat         |
| Silafluofen         | Terbumeton              | Triflumizole         |
| Simazine            | Terbuthylazine          | Trifluralin          |
| Simetryn            | Terbuthylazine-Desethyl | Uniconazole          |
| Sulfallate          | Terbutryn               | Vinclozolin          |

<sup>5</sup>Determination of Pesticide Residues – Multiresidues Method (QuEChERS) by GC-MS/MS in Oily Seeds and Products:

|                           |                           |                                 |
|---------------------------|---------------------------|---------------------------------|
| Acrinathrin               | Chlorfenvinphos           | Diclobutrazol                   |
| Alachlor                  | Chlorflurecol-Methyl      | Diclofop-methyl                 |
| Aldrin                    | Chlormephos               | Diclorobenzofenone, 4,4'- (from |
| Ametryn                   | Chloropropylate -         | Dicofol)                        |
| Aspon                     | Chlorobenzilate           | Dieldrin                        |
| Azaconazole               | Chlorothalonil            | Diethatyl-ethyl                 |
| Benfluralin               | Chlorpropham              | Diflufenican                    |
| Benodanil                 | Chlorpyrifos-Ethyl        | Dimepiperate                    |
| BHC-alfa                  | Chlorpyrifos-Methyl       | Dimethenamid                    |
| BHC-beta                  | Chlorthion                | Dimoxystrobin                   |
| BHC-delta                 | Clomazone                 | Diniconazole                    |
| BHC-gamma (Lindane, gamma | Cloquintocet-Mexyl        | Dinitramine                     |
| HCH)                      | Cloroneb                  | Dioxathion                      |
| Bifenox                   | Clortiphos                | Diphenamid                      |
| Bifenthrin                | Crotoxyphos               | Diphenylamine                   |
| Biphenyl                  | Cyanazine                 | Dipropetryn                     |
| Bromocyclen               | Cyanofenphos              | Disulfoton Sulfone              |
| Bromophos-Ethyl           | Cyanophos                 | Ditalimfos                      |
| Bromophos-Methyl          | Cyfluthrin (Sum)          | Edifenphos                      |
| Bromopropylate            | Cyhalothrin (Lambda)      | Endosulfan I (alpha Isomer)     |
| Bupirimate                | Cymiazole                 | Endosulfan II (beta Isomer)     |
| Buprofezin                | Cypermethrin (Sum)        | Endosulfan Sulfate              |
| Butachlor                 | Cyprazine                 | Endrin                          |
| Butafenacil               | Cyproconazole             | EPN                             |
| Butralin                  | DCPA (Dacthal, Chlorthal- | EPTC                            |
| Cadusafos                 | dimethyl)                 | Eptenophos                      |
| Captan                    | Deltamethrin              | Etaconazole (Sum)               |
| Carbophenotion            | Desmetryn                 | Ethalfuralin                    |
| Chinomethionate           | Dialifos                  | Ethion                          |
| (Oxythioquinox)           | Diallate I                | Ethofenprox                     |
| Chlorbenside              | Diallate II               | Ethoprophos (Ethoprop)          |
| Chlordane-cis (alpha)     | Dichlobenil               | Etrimfos                        |
| Chlordane-trans (gamma)   | Dichlofenthion            | Famphur                         |
| Chlordimeform             | Dichlofluandil            | Fenarimol                       |
| Chlorfenapyr              | Dichloran                 | Fenbuconazole                   |
| Chlorfenson               | Dichlorvos                | Fenhexamid                      |

|                                   |                            |                           |
|-----------------------------------|----------------------------|---------------------------|
| Fenitrothion                      | Mefenpyr-Diethyl           | Procymidone               |
| Fenpropathrin                     | Mepanipyrin                | Profluralin               |
| Fenson                            | Mepronil                   | Prometon                  |
| Fensulfothion                     | Metazachlor                | Prometryn                 |
| Fenthion                          | Methidathion               | Pronamide (Propyzamide)   |
| Fenthion Oxon                     | Methoprotryne              | Propanil (DCPA)           |
| Fenthion Sulfone                  | Methoxychlor               | Propazine                 |
| Fenvalerate I                     | Metolachlor                | Propetamphos              |
| Fenvalerate II - Esfenvalerate    | Metribuzin                 | Propham                   |
| Fipronil                          | Mevinphos                  | Proquinazid               |
| Fipronil Desulfinil               | Mirex                      | Prothiofos                |
| Fipronil Sulfone                  | Myclobutanil               | Prothoate                 |
| Flamprop-isopropyl                | Nitrapyrin                 | Pyrazophos                |
| Fluazifop-p-butyl                 | Nitrofen                   | Pyridaphenthion           |
| Fluchloralin                      | Nitrothal-Isopropyl        | Pyrimethanil              |
| Flucythrinate I                   | Norflurazon                | Quinalphos                |
| Flucythrinate II                  | Nuarimol                   | Quinoxifen                |
| Fludioxonil                       | o,p'-DDD                   | Quintozone                |
| Flufenacet                        | o,p'-DDE                   | (Pentachloronitrobenzene) |
| Flumetralin                       | Ofurace                    | Quizalofop-Ethyl          |
| Fluopicolide                      | o-Phenylphenol             | Resmethrin I              |
| Flusilazole                       | Oxadiazon                  | Resmethrin II             |
| Flutolanil                        | Oxadixyl                   | S421                      |
| Flutriafol                        | Oxyfluorfen                | Silafluofen               |
| Fluvalinate Tau (Sum)             | p,p'-DDD + o,p'-DDT        | Simetryn                  |
| Fonofos                           | p,p'-DDE                   | Sulfallate                |
| Formothion                        | p,p'-DDT                   | Sulprofos                 |
| Fosthiazate (Sum)                 | Paclobutrazol              | Tebuconazole              |
| Furalaxyl                         | Parathion                  | Tebufenpyrad              |
| Halfenprox                        | Parathion-methyl           | Tecnazene (TCNB)          |
| Heptachlor                        | Pencicuron                 | Tefluthrin                |
| Heptachlor Endo-Epoxide           | Penconazole                | Telodrin (Isobenzan)      |
| (Isomer A)                        | Pendimethalin (Penoxaline) | Terbacil                  |
| Heptachlor Exo-Epoxide (Isomer B) | Pentachloroaniline         | Terbufos                  |
| Hexachlorobenzene                 | Pentachloroanizole         | Terbumeton                |
| Hexazinone                        | Permethrin I               | Terbutryn                 |
| Iodofenphos (Jodfenphos)          | Permethrin II              | Tetraclorvinphos          |
| Iprobenfos                        | Perthane                   | Tetraconazole             |
| Iprodione                         | Phenthoate                 | Tetradifon                |
| Isazofos (Miral, Isazophos)       | Phorate                    | Tetrasul                  |
| Isocarbophos                      | Phorate Oxon               | Thiometon                 |
| Isodrin                           | Phorate Sulfone            | Tolclofos-Methyl          |
| Isofenphos                        | Phosalone                  | Tolyfluanide              |
| Isofenphos-Methyl                 | Phosphamidon I             | Transfluthrin             |
| Isopropalin                       | Phosphamidon II            | Triadimefon               |
| Isoprothiolane                    | Picolinafen                | Triadimenol               |
| Isoxadifen-Ethyl                  | Piperophos                 | Triallate                 |
| Isoxathion                        | Pirimicarb                 | Trichloronat              |
| Lenacil                           | Pirimicarb Desmethyl       | Triclorfon DROP           |
| Leptophos                         | Pirimiphos-Ethyl           | Triflumizole              |
| Malaoxon                          | Pirimiphos-Methyl          | Uniconazole               |
| Malathion                         | p-Phenylphenol             | Vinclozolin               |

<sup>6</sup>Determination of Pesticide Residues – Multiresidues Method (QuEChERS) by GC-MS/MS in Soybean:

|                                      |                                             |                                       |
|--------------------------------------|---------------------------------------------|---------------------------------------|
| Acetochlor                           | Crotoxyphos                                 | Ethoprophos (Ethoprop)                |
| Acrinathrin                          | Cyanazine                                   | Etrinfos                              |
| Alachlor                             | Cyanofenphos                                | Famphur                               |
| Aldrin                               | Cyanophos                                   | Fenarimol                             |
| Ametryn                              | Cyfluthrin (Sum)                            | Fenbuconazole                         |
| Aspon                                | Cyhalothrin (Lambda)                        | Fenhexamid                            |
| Azaconazole                          | Cymiazole                                   | Fenitrothion                          |
| Benfluralin                          | Cypermethrin (Sum)                          | Fenpropathrin                         |
| Benodanil                            | Cyprazine                                   | Fenson                                |
| BHC - alfa                           | Cyproconazole                               | Fensulfothion                         |
| BHC - beta                           | DCPA (Dacthal, Chlorthal-                   | Fenthion                              |
| BHC - delta                          | dimethyl)                                   | Fenthion Oxon                         |
| BHC - gamma (Lindane,<br>Gamma HCH)  | Deltamethrin                                | Fenthion Sulfone                      |
| Bifenox                              | Desmetryn                                   | Fenvalerate I                         |
| Bifenthrin                           | Desulfinil                                  | Fenvalerate II - Esfenvalerate        |
| Biphenyl                             | DialifosDiallate I                          | Fipronil Sulfone                      |
| Bromocyclen                          | Diallate II                                 | FipronilFipronil                      |
| Bromophos-Ethyl                      | Dichlobenil                                 | Flamprop-Isopropyl                    |
| Bromophos-Methyl                     | Dichlofenthion                              | Fluazifop-p-Butyl                     |
| Bromopropylate                       | Dichlofluandil                              | Fluchloralin                          |
| Bupirimate                           | Dichloran                                   | Flucythrinate I                       |
| Buprofezin                           | Dichlorvos                                  | Flucythrinate II                      |
| Butachlor                            | Diclobutrazol                               | Fludioxonil                           |
| Butafenacil                          | Diclofop-Methyl                             | Flufenacet                            |
| Butralin                             | Diclorobenzofenone, 4,4'- (from<br>Dicofol) | Flumetralin                           |
| Cadusafos                            | Dieldrin                                    | Fluopicolide                          |
| Carbophenotion                       | Diethatyl-Ethyl                             | Flusilazole                           |
| Chinomethionate<br>(Oxythioquinox)   | Diiflufenican                               | Flutolanil                            |
| Chlorbenside                         | Dimepiperate                                | Flutriafol                            |
| Chlordane-cis (alpha)                | Dimethenamid                                | Fluvalinate Tau (Sum)                 |
| Chlordane-trans (gamma)              | Dimoxystrobin                               | Fonofos                               |
| Chlordimeform                        | Diniconazole                                | Formothion                            |
| Chlorfenapir                         | Dinitramine                                 | Fosthiazate (Sum)                     |
| Chlorfenson                          | Dioxathion                                  | Furalaxyl                             |
| Chlorfenvinphos                      | Diphenamid                                  | Halfenprox                            |
| Chlorflurecol-Methyl                 | Diphenylamine                               | Heptachlor                            |
| Chlormephos                          | Dipropetryn                                 | Heptachlor Endo-Epoxyde<br>(Isomer A) |
| Chloropropylate -<br>Chlorobenzilate | Disulfoton Sulfone                          | Heptachlor Exo-Epoxyde<br>(Isomer B)  |
| Chlorothalonil                       | Ditalimfos                                  | Hexachlorobenzene                     |
| Chlorpropham                         | Edifenphos                                  | Hexazinone                            |
| Chlorpyrifos-Ethyl                   | Endosulfan I (alpha Isomer)                 | Iodofenphos                           |
| Chlorpyrifos-Methyl                  | Endosulfan II (beta Isomer)                 | Iprobenfos                            |
| Chlorthion                           | Endosulfan Sulfate                          | Iprodione                             |
| Chlozolinate                         | Endrin                                      | Isazofos (Miral)                      |
| Climbazole                           | EPN                                         | Isazophos)                            |
| Clomazone                            | EPTC                                        | Isocarbophos                          |
| Cloquintocet-Mexyl                   | Eptenophos                                  | Isodrin                               |
| Cloroneb                             | Etaconazole (Sum)                           | Isofenphos                            |
| Clortiophos                          | Ethalfuralin                                | Isofenphos-Methyl                     |
|                                      | Ethion                                      | Isopropalin                           |
|                                      | Ethofenprox                                 |                                       |



|                          |                            |                  |
|--------------------------|----------------------------|------------------|
| Isoprothiolane           | Pencicuron                 | Quinalphos       |
| Isoxadifen-Ethyl         | Penconazole                | Quinoxifen       |
| Isoxathion               | Pendimethalin (Penoxaline) | Quintozone       |
| Lenacil                  | Pentachloroaniline         | Quizalofop-Ethyl |
| Leptophos                | Pentachloroanizole         | Resmethrin I     |
| Malaoxon                 | Permethrin I               | Resmethrin II    |
| Malathion                | Permethrin II              | S421             |
| Mefenpyr-Diethyl         | Perthane                   | Silafluofen      |
| Mepanipyrim              | Phenthoate                 | Simetryn         |
| Mepronil                 | Phorate                    | Sulfallate       |
| Metazachlor              | Phorate oxon               | Sulprofos        |
| Methidathion             | Phorate sulfone            | Tebuconazole     |
| Methoprotetryn           | Phosalone                  | Tebufenpyrad     |
| Methoxychlor             | Phosphamidon I             | Tecnazene (TCNB) |
| Metolachlor              | Phosphamidon II            | Tefluthrin       |
| Metribuzin               | Picolinafen                | Telodrin         |
| Mevinphos                | Piperophos                 | Terbacil         |
| Mirex                    | Pirimicarb                 | Terbufos         |
| Myclobutanil             | Pirimicarb Desmethyl       | Terbumeton       |
| Nitrapyrin               | Pirimiphos-Ethyl           | Terbutryn        |
| Nitrofen                 | Pirimiphos-Methyl          | Tetraclorvinphos |
| Nitrothal-Isopropyl      | p-Phenylphenol Procymidone | Tetraconazole    |
| Norflurazon              | Profluralin                | Tetradifon       |
| Nuarimol                 | Prometon                   | Tetrasul         |
| o,p'-DDD                 | Prometryn                  | Thiometon        |
| o,p'-DDE                 | Pronamide (Propyzamide)    | Tolclofos-methyl |
| Ofurace                  | Propanil (DCPA)            | Tolyfluanide     |
| o-Phenylphenol Oxadiazon | Propazine                  | Transfluthrin    |
| Oxadixyl                 | Propetamphos               | Triadimefon      |
| Oxyfluorfen              | Propham                    | Triallate        |
| p,p'-DDD + o,p'-DDT      | Proquinazid                | Trichloronat     |
| p,p'-DDE                 | Prothiofos                 | Triclorfon       |
| p,p'-DDT                 | Prothoate                  | Triflumizole     |
| Paclobutrazol            | Pyrazophos                 | Uniconazole      |
| Parathion                | Pyridaphenthion            | Vinclozolin      |
| Parathion-methyl         | Pyrimethanil               |                  |

<sup>7</sup>Determination of Pesticide Residues – Multiresidues Method (QuEChERS) by LC-MS/MS in Cereals:

|                      |                       |                           |
|----------------------|-----------------------|---------------------------|
| 2,4-D                | Amitraz               | Benoxacor                 |
| 3-OH Carbofuran      | Anilazine             | Bensulfuron-Methyl        |
| 6-Benziladenine      | Aramite               | Bensulide                 |
| Acephate             | Asulam                | Bentazon                  |
| Acetamiprid          | Atrazine              | Benthiavalicarb Isopropyl |
| Acibenzolar-S-Methyl | Atrazine Desethyl     | Benzoximate               |
| Aclonifen            | Atrazine Desisopropyl | Benzoylprop-Ethyl         |
| Aldicarb             | Azadirachtin          | Benzthiazuron             |
| Aldicarb Sulfone     | Azinphos-Ethyl        | Bispyripac Sodium         |
| Aldicarb sulfoxide   | Azinphos-Methyl       | Bixafen                   |
| Allethrin            | Azoxystrobin          | Boscalid                  |
| Allidochlor          | Barban                | Bromacil                  |
| Ametoctradin         | Bendiocarb            | Bromuconazole             |
| Aminocarb            | Benfuracarb           | Butocarboxim              |



|                            |                        |                       |
|----------------------------|------------------------|-----------------------|
| Butocarboxim Sulfoxide     | Dimethomorph           | Fluxapyroxad          |
| Butoxycarboxim             | Dinotefuran            | Folpet                |
| Buturon                    | Dioxacarb              | Foramsulfuron         |
| Carbaryl                   | Disulfoton Sulfoxide   | Forchlorfenuron       |
| Carbendazim-Benomyl        | Dithianon              | Formetanate           |
| Carbetamide                | Diuron                 | Fuberidazole          |
| Carbofuran                 | Dodemorph              | Furathiocarb          |
| Carboxin                   | Emamectin B1b          | Haloxifyop            |
| Carfentrazone-Ethyl        | Epoxiconazole          | Haloxifyop Methyl     |
| Cartap                     | Ethidimuron            | Haloxifyop Etotyl     |
| Chlorantraniliprole        | Ethiofencarb           | Hexaconazole          |
| Chlorbufam                 | Ethiofencarb Sulfone   | Hexaflumurom          |
| Chlorfluazuron             | Ethiofencarb Sulfoxide | Hexythiazox           |
| Chloridazon                | Ethiprole              | Imazalil              |
| Chloroxuron                | Ethirimol              | Imazamethabenz Methyl |
| Chlorsulfuron              | Ethofumesate           | Imazamox              |
| Chlortoluron               | Etoxazole              | Imazaquin             |
| Cinosulfuron               | Famoxadone             | Imazethapyr           |
| Clethodim                  | Fenamidone             | Imibenconazole        |
| Clodinafop Propargyl       | Fenamiphos             | Imidacloprid          |
| Clofentezine               | Fenamiphos Sulfone     | Indaziflam            |
| Clothianidin               | Fenamiphos Sulfoxide   | Indoxacarb            |
| Coumaphos                  | Fenazaquin             | Isocarbamid           |
| Crimidine                  | Fenbutatin Oxide       | Isoprocab             |
| Cyantraniliprole           | Fenfuram               | Isoproturon           |
| Cyazofamid                 | Fenmedipham            | Kresoxim Methyl       |
| Cycloate                   | Fenobucarb             | Linuron               |
| Cycluron                   | Fenothrin              | Lufenuron             |
| Cyflufenamid               | Fenoxaprop-P-ethyl     | Mandipropamid         |
| Cyflumetofen (NH4-adduct)  | Fenoxycarb             | Mecarbam              |
| Cyhalofop-butyl            | Fenpiclonil            | Mefenacet             |
| Cyhexatin                  | Fenpropathrin          | Mephosfolan           |
| Cymoxanil                  | Fenpropidin            | Metaflumizone         |
| Cyphenothrin               | Fenpropimorph          | Metalaxyl             |
| Cyprodinil                 | Fenpyroximate          | Metamitron            |
| Cyromazine                 | Fenthion Sulfoxide     | Metconazole           |
| Daminozide                 | Fentrazamide           | Methabenzthiazuron    |
| Demeton-S-Methyl           | Fenuron                | Methacrifos           |
| Demeton-S-Methyl-Sulfone   | Flazasulfuron          | Methamidophos         |
| Demeton-S-Methyl-Sulfoxide | Flonicamid             | Methiocarb            |
| Desmedipham                | Fluazifop              | Methiocarb Sulfone    |
| Diafenthiuron              | Fluazinam              | Methiocarb Sulfoxide  |
| Diazinon                   | Flufenoxuron           | Methomyl              |
| Dicamba                    | Flumioxazin            | Methoxyfenozide       |
| Dichlormid                 | Fluometuron            | Metobromuron          |
| Dicrotophos                | Fluopyram              | Metolcarb             |
| Diethofencarb              | Fluoxastrobin          | Metoxuron             |
| Difenoconazole             | Flupyrsulfuron Methyl  | Metrafenone           |
| Difenofoxuron              | Fluquinconazole        | Metsulfuron Methyl    |
| Diflubenzuron              | Flurochloridon         | Monocrotophos         |
| Dimefuron                  | Flurprimidol           | Monolinuron           |
| Dimethachlor               | Flurtamone             | Monuron               |
| Dimethoate                 | Fluthiacet-Methyl      | Naphthalam            |

|                    |                         |                       |
|--------------------|-------------------------|-----------------------|
| Napropamid         | Propoxur                | Tetramethrin          |
| Neburon            | Propoxycarbazone Sodium | Thiabendazole         |
| Nicosulfuron       | Prosulfocarb            | Thiacloprid           |
| Nitenpyram         | Pymetrozine             | Thiamethoxam          |
| Novaluron          | Pyracarbolid            | Thiazopyr             |
| Omethoat           | Pyraclostrobin          | Thifensulfuron Methyl |
| Oryzalin           | PyraflufenEthyl         | Thiodicarb            |
| Oxamyl             | Pyrethrins Pyrethrin    | Thiofanox             |
| Oxamyl-oxime       | Pyridaben               | Thiofanox Sulfoxide   |
| Oxasulfuron        | Pyridalyl               | Thiofanox Sulfone     |
| Oxycarboxin        | Pyrifenox               | Thionazin             |
| Paraoxon           | Pyriproxyfen            | Thiophanate Methyl    |
| Paraoxon-methyl    | Rotenone                | Tralkoxydim           |
| Pebulate           | Saflufenacil            | Triadimenol           |
| Penoxsulam         | Sethoxydim              | Triasulfuron          |
| Pentachlorophenol  | Silthiofam              | Triazophos            |
| Phorate Sulfoxide  | Spinetoram Major        | Tribenuron Methyl     |
| Phosmet            | Spinetoram Minor        | Triclopyr             |
| Phoxim             | Spinosyn A              | Tricyclazole          |
| Picloram           | Spinosyn D              | Tridemorph            |
| Picoxystrobin      | Spirodiclofen           | Trietazine            |
| Piperonyl Butoxide | Spiromesifen            | Trifloxystrobin       |
| Pretilachlor       | Spirotetramat           | Triflumuron           |
| Prochloraz         | Spiroxamine             | Triflusulfuron Methyl |
| Prodiamine         | Sulfentrazone           | Triforine             |
| Profoxydim         | TCMTB (Busan)           | Trinexapac Ethyl      |
| Promecarb          | Tebufenozide            | Triticonazole         |
| Propaclor          | Tebutam                 | Vamidothion           |
| Propamocarb        | Teflubenzuron           | Zoxamide              |
| Propaquizafop      | Temephos                |                       |
| Propiconazole      | Tepaloxym               |                       |

<sup>8</sup>Determination of Pesticide Residues – Multiresidues Method (QuEChERS) by LC-MS/MS in Chocolate and Cocoa Products:

|                      |                           |                        |
|----------------------|---------------------------|------------------------|
| 2,4-D                | Aramite                   | Benzoylprop Ethyl      |
| 3-OH Carbofuran      | Asulam                    | Benzthiazuron          |
| 6-Benziladenine      | Atrazine                  | Bifenazate             |
| Abamectin            | Atrazine Desethyl         | Bixafen                |
| Acephate             | Atrazine Desisopropyl     | Boscalid               |
| Acetamiprid          | Azadirachtin              | Bromacil               |
| Acibenzolar-S-Methyl | Azinphos Ethyl            | Bromoxynil             |
| Aclonifen            | Azinphos Methyl           | Bromuconazole          |
| Aldicarb             | Azoxystrobin              | Butocarboxim           |
| Aldicarb Sulfoxide   | Barban                    | Butocarboxim Sulfoxide |
| Allethrin            | Bendiocarb                | Butoxycarboxim         |
| Allidochlor          | Benfuracarb               | Buturon                |
| Ametoctradin         | Benoxacor                 | Carbaryl               |
| Amidosulfuron        | Bensulfuron Methyl        | Carbendazim Benomyl    |
| Aminocarb            | Bensulide                 | Carbetamide            |
| Amitraz              | Bentazon                  | Carbofuran             |
| Anilazine            | Benthiavalicarb Isopropyl | Carbosulfan            |
|                      | Benzoximate               | Carboxin               |

Carfentrazone Ethyl  
Cartap  
Chlorantraniliprole  
Chlorbromuron  
Chlorbufam  
Chlorfluazuron  
Chloridazon  
Chlorimuron  
Chlorimuron Ethyl  
Chloroxuron  
Chlorsulfuron  
Chlortoluron  
Cinosulfuron  
Clethodim  
Clodinafop Propargyl  
Clofentezine  
Clothianidin  
Coumaphos  
Crimidine  
Cyantraniliprole  
Cyazofamid  
Cycloate  
Cycloxydim  
Cycluron  
Cyflufenamid  
Cyflumetofen (NH<sub>4</sub>-adduct)  
Cyhalofop Butyl  
Cymoxanil  
Cyphenothrin  
Cyprodinil  
DEET  
Demeton-S-Methyl  
Demeton-S-Methyl-Sulfone  
Demeton-S-Methyl-Sulfoxide  
Desmedipham  
Diafenthiuron  
Diazinon  
Dicamba  
Dichlormid  
Dicrotophos  
Diethofencarb  
Difenoconazole  
Diflubenzuron  
Dimefuron  
Dimethachlor  
Dimethametryn  
Dimethoate  
Dimethomorph  
Dinotefuran  
Dioxacarb  
Disulfoton Sulfoxide  
Diuron  
Dodemorph  
Epoxyconazole  
Ethiofencarb

Ethiofencarb Sulfone  
Ethiofencarb Sulfoxide  
Ethiprole  
Ethirimol  
Ethofumesate  
Etoxazole  
Famoxadone  
Fenamidone  
Fenamiphos  
Fenamiphos Sulfone  
Fenamiphos Sulfoxide  
Fenazaquin  
Fenfuram  
Fenmedipham  
Fenobucarb  
Fenothrin  
Fenoxanil  
Fenoxaprop-P-Ethyl  
Fenoxycarb  
Fenpiclonil  
Fenpropathrin  
Fenpropidin  
Fenpropimorph  
Fenpyroximate  
Fenthion Sulfoxide  
Fentin  
Fentrazamide  
Fenuron  
Flazasulfuron  
Flonicamid  
Fluazifop  
Fluazinam  
Flubendiamine  
Flufenoxuron  
Flumethrin  
Flumioxazin  
Fluometuron  
Fluopyram  
Flupyrsulfuron Methyl  
Fluquinconazole  
Flurochloridon  
Flurprimidol  
Flurtamone  
Fluthiacet Methyl  
Flutriafol  
Folpet  
Fomesafen  
Foramsulfuron  
Forchlorfenuron  
Formetanate  
Fuberidazole  
Furathiocarb  
Haloxypop  
Haloxypop Methyl  
Haloxypop Etotyl

Hexaconazole  
Hexaflumurom  
Hexythiazox  
Imazalil  
Imazamethabenz Methyl  
Imazamox  
Imazapic  
Imazapyr  
Imazaquin  
Imazethapyr  
Imibenconazole  
Imidacloprid  
Indaziflam  
Indoxacarb  
Ioxynil  
Isocarbamid  
Isoprocab  
Isoproturon  
Isoxaben  
Isoxaflutole  
Kresoxim Methyl  
Linuron  
Lufenuron  
Mandipropamid  
Mecarbam  
Mefenacet  
Mephosfolan  
Meptyldinocap  
Metaflumizone  
Metalaxyl  
Metamitron  
Metconazole  
Methabenzthiazuron  
Methacrifos  
Methamidophos  
Methiocarb  
Methiocarb Sulfone  
Methiocarb Sulfoxide  
Methomyl  
Methoxyfenozide  
Metobromuron  
Metolcarb  
Metosulam  
Metoxuron  
Metrafenone  
Metsulfuron Methyl  
Monocrotophos  
Monolinuron  
Monuron  
Naled  
Naphthalam  
Napropamid  
Neburon  
Nicosulfuron  
Nitenpyram

|                         |                      |                       |
|-------------------------|----------------------|-----------------------|
| Novaluron               | Pymetrozine          | Tetramethrin          |
| Omethoat                | Pyracarbolid         | Thiabendazole         |
| Oryzalin                | Pyraclostrobin       | Thiacloprid           |
| Oxamyl                  | Pyraflufen Ethyl     | Thiamethoxam          |
| Oxamyl Oxime            | Pyrethrins Pyrethrin | Thiazopyr             |
| Oxasulfuron             | Pyridaben            | Thifensulfuron Methyl |
| Oxycarboxin             | Pyridalyl            | Thiodicarb            |
| Paraoxon                | Pyrifeno             | Thiofanox             |
| Paraoxon Methyl         | Pyriproxyfen         | Thiofanox Sulfoxide   |
| Pebulate                | Quinclorac           | Thiofanox Sulfone     |
| Penoxsulam              | Quinmerac            | Thionazin             |
| Pentachlorophenol       | Quizalofop           | Thiophanate Methyl    |
| Penthiopyrad            | Rimsulfuron          | Tralkoxydim           |
| Phorate Sulfoxide       | Rotenone             | Triadimenol           |
| Phosmet                 | Saflufenacil         | Triasulfuron          |
| Phoxim                  | Sethoxydim           | Triazophos            |
| Picoxystrobin           | Silthiofam           | Tribenuron Methyl     |
| Piperonyl Butoxide      | Spinetoram Major     | Triclopyr             |
| Pretilachlor            | Spinetoram Minor     | Tricyclazole          |
| Prochloraz              | Spinosyn A           | Tridemorph            |
| Prodiamine              | Spinosyn D           | Trietazine            |
| Profoxydim              | Spirodiclofen        | Trifloxystrobin       |
| Promecarb               | Spiromesifen         | Trifloxysulfuron      |
| Propaclor               | Spirotetramat        | Triflumuron           |
| Propamocarb             | Spiroxamine          | Triflusulfuron Methyl |
| Propaquizafop           | Sulfentrazone        | Triforine             |
| Propargite              | TCMTB (Busan)        | Trinexapac Ethyl      |
| Propiconazole           | Tebufenozide         | Triticonazole         |
| Propoxur                | Tebutam              | Vamidothion           |
| Propoxycarbazone Sodium | Teflubenzuron        | Zoxamide              |
| Prosulfocarb            | Temephos             |                       |
| Prothioconazole         | Tepraloxym           |                       |

<sup>9</sup>Determination of Pesticide Residues – Multiresidues Method (QuEChERS) by LC-MS/MS in Coffee Beans:

|                      |                           |                        |
|----------------------|---------------------------|------------------------|
| 2,4-D                | Atrazine Desethyl         | Boscalid               |
| 3-OH Carbofuran      | Atrazine Desisopropyl     | Bromacil               |
| 6-Benziladenine      | Azadirachtin              | Bromoxynil             |
| Acephate             | Azinphos Ethyl            | Bromuconazole          |
| Acetamiprid          | Azinphos Methyl           | Butocarboxim           |
| Acibenzolar-S-Methyl | Azoxystrobin              | Butocarboxim Sulfoxide |
| Aclonifen            | Barban                    | Butoxycarboxim         |
| Aldicarb             | Bendiocarb                | Buturon                |
| Aldicarb Sulfone     | Benfuracarb               | Carbaryl               |
| Aldicarb Sulfoxide   | Benoxacor                 | Carbendazim Benomyl    |
| Allethrin            | Bensulfuron Methyl        | Carbetamide            |
| Allidochlor          | Bensulide                 | Carbofuran             |
| Ametoctradin         | Bentazon                  | Carbosulfan            |
| Amidosulfuron        | Benthiavalicarb Isopropyl | Carboxin               |
| Aminocarb            | Benzoximate               | Carfentrazone Ethyl    |
| Amitraz              | Benzoylprop Ethyl         | Cartap                 |
| Anilazine            | Benzthiazuron             | Chlorantraniliprole    |
| Aramite              | Bifenazate                | Chlorbromuron          |
| Asulam               | Bispyripac-sodium         | Chlorbufam             |
| Atrazine             | Bixafen                   | Chlorfluazuron         |

|                            |                       |                       |
|----------------------------|-----------------------|-----------------------|
| Chloridazon                | Ethofumesate          | Imazamethabenz-Methyl |
| Chlorimuron                | Etoxazole             | Imazamox              |
| Chlorimuron Ethyl          | Famoxadone            | Imazapyr              |
| Chloroxuron                | Fenamidone            | Imazaquin             |
| Chlorsulfuron              | Fenamiphos            | Imazethapyr           |
| Chlortoluron               | Fenamiphos Sulfone    | Imibenconazole        |
| Cinosulfuron               | Fenamiphos Sulfoxide  | Imidacloprid          |
| Clethodim                  | Fenazaquin            | Indaziflam            |
| Clodinafop Propargyl       | Fenbutatin Oxide      | Indoxacarb            |
| Clofentezine               | Fenfuram              | Ioxynil               |
| Clothianidin               | Fenmedipham           | Isocarbamid           |
| Coumaphos                  | Fenobucarb            | Isoprocab             |
| Crimidine                  | Fenothrin             | Isoproturon           |
| Cyantraniliprole           | Fenoxanil             | Isoxaben              |
| Cyazofamid                 | Fenoxaprop-P-Ethyl    | Isoxaflutole          |
| Cycloate                   | Fenoxycarb            | Kresoxim Methyl       |
| Cycluron                   | Fenpiclonil           | Linuron               |
| Cyflufenamid               | Fenpropidin           | Lufenuron             |
| Cyflumetofen (NH4-adduct)  | Fenpropimorph         | Mandipropamid         |
| Cyhalofop Butyl            | Fenpyroximate         | Mecarbam              |
| Cyhexatin                  | Fenthion Sulfoxide    | Mefenacet             |
| Cymoxanil                  | Fentin                | Mephosfolan           |
| Cyphenothrin               | Fentrazamide          | Meptyldinocap         |
| Cyprodinil                 | Fenuron               | Metaflumizone         |
| DEET                       | Flazasulfuron         | Metalaxyl             |
| Demeton-S-Methyl           | Flonicamid            | Metamitron            |
| Demeton-S-Methyl-Sulfone   | Fluazifop             | Metconazole           |
| Demeton-S-Methyl-Sulfoxide | Fluazinam             | Methabenzthiazuron    |
| Desmedipham                | Flubendiamine         | Methacrifos           |
| Diazinon                   | Flufenoxuron          | Methamidophos         |
| Dicamba                    | Flumioxazin           | Methiocarb            |
| Dichlormid                 | Fluometuron           | Methiocarb Sulfone    |
| Dicrotophos                | Fluopyram             | Methomyl              |
| Diethofencarb              | Fluoxastrobin         | Methoxyfenozide       |
| Difenoconazole             | Flupyrsulfuron-Methyl | Metobromuron          |
| Difenoxyuron               | Fluquinconazole       | Metolcarb             |
| Diflubenzuron              | Flurochloridon        | Metosulam             |
| Dimefuron                  | Flurprimidol          | Metoxuron             |
| Dimethachlor               | Flurtamone            | Metrafenone           |
| Dimethametryn              | Fluthiacet Methyl     | Metsulfuron Methyl    |
| Dimethoate                 | Fluxapyroxad          | Monocrotophos         |
| Dimethomorph               | Folpet                | Monolinuron           |
| Dinotefuran                | Fomesafen             | Monuron               |
| Dioxacarb                  | Forchlorfenuron       | Naled                 |
| Disulfoton Sulfoxide       | Formetanate           | Napropamid            |
| Diuron                     | Fuberidazole          | Neburon               |
| Dodemorph                  | Furathiocarb          | Nicosulfuron          |
| Dodine                     | Halosulfuron-Methyl   | Nitenpyram            |
| Eamectin B1a               | Haloxifyop            | Novaluron             |
| Epoxiconazole              | Haloxifyop-Methyl     | Omethoat              |
| Ethidimuron                | Haloxifyop-Etotyl     | Oryzalin              |
| Ethiofencarb               | Hexaconazole          | Oxamyl                |
| Ethiofencarb Sulfone       | Hexaflumurom          | Oxamyl Oxime          |
| Ethiofencarb Sulfoxide     | Hexythiazox           | Oxasulfuron           |
| Ethirimol                  | Imazalil              | Oxycarboxin           |

|                      |                  |                       |
|----------------------|------------------|-----------------------|
| Paraoxon             | Pyridaben        | Thiamethoxam          |
| Paraoxon Methyl      | Pyridalyl        | Thiazopyr             |
| Pebulate             | Pyridate         | Thifensulfuron Methyl |
| Penoxsulam           | Pyrifeno         | Thiodicarb            |
| Pentachlorophenol    | Pyriproxyfen     | Thiofanox             |
| Penthiopyrad         | Rimsulfuron      | Thiofanox Sulfoxide   |
| Phorate Sulfoxide    | Rotenone         | Thiofanox Sulfone     |
| Phoxim               | Saflufenacil     | Thionazin             |
| Picoxystrobin        | Sethoxydim       | Thiophanate Methyl    |
| Piperonyl Butoxide   | Silthiofam       | Tralkoxydim           |
| Pretilachlor         | Spinetoram Major | Triadimenol           |
| Prochloraz           | Spinetoram Minor | Triasulfuron          |
| Prodiamine           | Spinosyn A       | Triazophos            |
| Profoxydim           | Spinosyn D       | Tribenuron Methyl     |
| Promecarb            | Spirodiclofen    | Triclopyr             |
| Propaclhor           | Spiromesifen     | Tricyclazole          |
| Propamocarb          | Spirotetramat    | Tridemorph            |
| Propaquizafop        | Spiroxamine      | Trietazine            |
| Propargite           | Sulfentrazone    | Trifloxystrobin       |
| Propiconazole        | TCMTB (Busan)    | Trifloxysulfuron      |
| Propoxur             | Tebufenozide     | Triflumuron           |
| Prosulfocarb         | Tebutam          | Triflusulfuron-Methyl |
| Prothioconazole      | Teflubenzuron    | Triforine             |
| Pymetrozine          | Temephos         | Trinexapac-Ethyl      |
| Pyracarbolid         | Tepraloxym       | Triticonazole         |
| Pyraclostrobin       | Tetramethrin     | Vamidotion            |
| Pyraflufen Ethyl     | Thiabendazole    | Zoxamide              |
| Pyrethrins Pyrethrin | Thiacloprid      |                       |

<sup>10</sup>Determination of Pesticide Residues – Multiresidues Method (QuEChERS) by LC-MS/MS in Fruits – High Content Water:

|                        |                        |                      |
|------------------------|------------------------|----------------------|
| 2,4-D                  | Azoxystrobin           | Carboxin             |
| 3-OH Carbofuran        | Bendiocarb             | Carfentrazone Ethyl  |
| 6-Benziladenine        | Benfuracarb            | Cartap               |
| Abamectin              | Benoxacor              | Chlorantraniliprole  |
| Acetamiprid            | Bensulfuron Methyl     | Chlorbromuron        |
| Acibenzolar-S-methyl   | Bensulide              | Chlorfluazuron       |
| Aclonifen              | Bentazon               | Chloridazon          |
| Aldicarb               | Benzoximate            | Chlorimuron-ethyl    |
| Aldicarb Sulfone       | Benzoylprop Ethyl      | Chloroxuron          |
| Aldicarb Sulfoxide (*) | Benzthiazuron          | Chlorsulfuron        |
| Allethrin              | Bixafen                | Chlortoluron         |
| Allidochlor            | Boscalid               | Cinosulfuron         |
| Ametoctradin           | Bromacil               | Clethodim            |
| Amidosulfuron          | Bromoxynil             | Clodinafop-propargyl |
| Aminocarb              | Bromuconazole          | Clothianidin         |
| Anilazine              | Butocarboxim           | Coumaphos            |
| Aramite                | Butocarboxim Sulfoxide | Crimidine            |
| Asulam                 | Butoxycarboxim         | Cyantraniliprole     |
| Atrazine Desethyl      | Buturon                | Cyazofamid           |
| Atrazine Desisopropyl  | Carbaryl               | Cycloate             |
| Azadirachtin           | Carbendazim Benomyl    | Cycloxydim           |
| Azinphos Ethyl         | Carbetamide            | Cycluron             |
| Azinphos Methyl        | Carbofuran             | Cyflufenamid         |

Cyflumetofen (NH<sub>4</sub>-adduct)  
Cyhalofop Butyl  
Cyhexatin  
Cymoxanil  
Cyromazine  
Demeton-S-Methyl  
Demeton-S-Methyl-Sulfone  
Desmedipham  
Diafenthiuron  
Diazinon  
Dicrotophos  
Diethofencarb  
Difenoconazole  
Difenoxyuron  
Diflubenzuron  
Dimefuron  
Dimethachlor  
Dimethoate  
Dimethomorph  
Dinotefuran  
Dioxacarb  
Disulfoton Sulfoxide  
Diuron  
Dodemorph  
Epoxiconazole  
Ethidimuron  
Ethiofencarb  
Ethiofencarb Sulfone  
Ethiofencarb Sulfoxide  
Ethirimol  
Ethofumesate  
Etoxazole  
Famoxadone  
Fenamidone  
Fenamiphos  
Fenamiphos Sulfone  
Fenamiphos Sulfoxide  
Fenfuram  
Fenmedipham  
Fenobucarb  
Fenoxanil  
Fenoxaprop-P-Ethyl  
Fenoxycarb  
Fenpiclonil  
Fenpropidin  
Fenpropimorph  
Fenpyroximate  
Fenthion Sulfoxide  
Fentrazamide  
Fenuron  
Flonicamid  
Fluazifop  
Fluazinam  
Flufenoxuron  
Flumethrin

Flumioxazin  
Fluometuron  
Fluometuron  
Fluoxastrobin  
Flupyrsulfuron Methyl  
Flurochloridon  
Flurprimidol  
Flurtamone  
Fluthiacet Methyl  
Fluxapyroxad  
Forchlorfenuron  
Formetanate  
Fuberidazole  
Furathiocarb  
Haloxifyop  
Haloxifyop Methyl  
Haloxifyop Etotyl  
Hexaconazole  
Hexaflumurom  
Hexythiazox  
Imazalil  
Imazamethabenz Methyl  
Imazamox  
Imazaquin  
Imazethapyr  
Imibenconazole  
Imidacloprid  
Indaziflam  
Indoxacarb  
Ioxynil  
Isocarbamid  
Isoprocab  
Isoproturon  
Isoxaben  
Kresoxim Methyl  
Linuron  
Lufenuron  
Mecarbam  
Mephosfolan  
Metaflumizone  
Metalaxyl  
Metamitron  
Metconazole  
Methabenzthiazuron  
Methiocarb  
Methiocarb Sulfone  
Methomyl  
Methoxyfenozide  
Metobromuron  
Metolcarb  
Metosulam  
Metoxuron  
Metrafenone  
Metsulfuron Methyl  
Monolinuron

Naled  
Naphthalam  
Napropamid  
Neburon  
Nicosulfuron  
Nitenpyram  
Novaluron  
Omethoat  
Oryzalin  
Oxamyl  
Oxamyl-oxime  
Oxasulfuron  
Oxycarboxin  
Paraoxon  
Paraoxon Methyl  
Pebulate  
Pentachlorophenol  
Penthiopyrad  
Phorate Sulfoxide  
Phoxim  
Picloram  
Picoxystrobin  
Piperonyl Butoxide  
Pretilachlor  
Prochloraz  
Prodiamine  
Profoxydim  
Promecarb  
Propachlor  
Propamocarb  
Propaquizafop  
Propargite  
Propiconazole  
Propoxycarbazone-Sodium  
Prothioconazole  
Pymetrozine  
Pyracarbolid  
Pyraclostrobin  
Pyraflufen-ethyl  
Pyrethrins Pyrethrin  
Pyridaben  
Pyridalyl  
Pyrifenoxy  
Pyriproxyfen  
Rimsulfuron  
Rotenone  
Saflufenacil  
Sethoxydim  
Silthiofam  
Spinetoram Major  
Spinetoram Minor  
Spinosyn A  
Spinosyn D  
Spirodiclofen  
Spiromesifen



|               |                     |                         |
|---------------|---------------------|-------------------------|
| Spiroxamine   | Thiodicarb          | Tricyclazole            |
| Sulfentrazone | Thiofanox           | Tridemorph              |
| TCMTB (Busan) | Thiofanox Sulfoxide | Trietazine              |
| Tebufenozide  | Thiofanox Sulfone   | Trifloxystrobin         |
| Teflubenzuron | Thionazin           | Trifloxysulfuron        |
| Temephos      | Thiophanate-Methyl  | Triflumuron             |
| Tepraloxydim  | Tralkoxydim         | Triflurosulfuron-Methyl |
| Tetramethrin  | Triadimenol         | Triforine               |
| Thiabendazole | Triasulfuron        | Triticonazole           |
| Thiacloprid   | Triazophos          | Vamidothion             |
| Thiamethoxam  | Tribenuron-Methyl   | Zoxamide                |
| Thiazopyr     | Triclopyr           |                         |

<sup>11</sup>Determination of Pesticide Residues – Multiresidues Method (QuEChERS) by LC-MS/MS in Oily Seeds and Products:

|                        |                            |                        |
|------------------------|----------------------------|------------------------|
| 3-Hidroxy Carbofuran   | Chlorfluazuron             | Disulfoton Sulfoxide   |
| 6-Benziladenine        | Chlorimuron                | Diuron                 |
| Abamectin              | Cialofop butyl             | Epoxiconazole          |
| Acephat                | Ciazofamide                | Ethiofencarb Sulfone   |
| Acetamiprid            | Cimoxanil                  | Ethiofencarb Sulfoxide |
| Acibenzolar-S-Methyl   | Cinosulfuron               | Ethirimol              |
| Aclonifen              | Cletodim                   | Etiofencarb            |
| Aldicarb               | Clodinafoppropargil        | Etiprole               |
| Aldicarb Sufoxide      | Clofentezine               | Etofumesate            |
| Aldicarb Sulfone       | Cloridazon                 | Etoxazolo              |
| Allethrin              | Cloroxuron                 | Famoxadone             |
| Allidoclor             | Clorsulfuron               | Fenamidone             |
| Amidosulfuron          | Clortiofos                 | Fenamiphos             |
| Aminocarb              | Clortoluron                | Fenamiphos Sulfone     |
| Anilazine              | Coumafos                   | Fenamiphos Sulfoxide   |
| Aramite                | Crimidin                   | Fenazaquin             |
| Atrazin                | Cycloat                    | Fenmedipham            |
| Atrazine Desethyl      | Cycloxydim                 | Fenobucarb             |
| Azinphos Methyl        | Cycluron                   | Fenothrin              |
| Azoxystrobin           | Cymiazole                  | Fenoxanil              |
| Azynphos Ethyl         | Cyphenothrin               | Fenoxaprop-p-Ethyl     |
| Barban (NH4-Adduct)    | Cyprodinil                 | Fenpiroximate          |
| Bendiocarb             | DEET                       | Fenpropathrin          |
| Benoxacor              | Demeton-S-Methyl           | Fenpropimorf           |
| Bensulfuron Methyl     | Demeton-S-Methyl Sulfoxide | Fenthion-PS-Sulfoxide  |
| Benzoilpropetile       | Demeton-S-methyl-Sulfon    | Fentrazamide           |
| Benzoximate            | Desisopropylatrazin        | Fenuron                |
| Benzthiazuron          | Desmedipham                | Flonicamid             |
| Boscalid               | Diafenthiuron              | Flufenoxuron           |
| Bromacil               | Diazinon                   | Flumethrin             |
| Bromuconazol           | Dichlormid                 | Flumioxazina           |
| Butocarboxim           | Dietofencarb               | Flupirsulfuron Methyl  |
| Butocarboxim Sulfoxide | Difenoconazole             | Flurochloridon         |
| Butoxycarboxim         | Diflubenzuron              | Folpet                 |
| Carbaril               | Dimethachlor               | Forclorfenuron         |
| Carbendazim Benomil    | Dimethametryn              | Formetanato            |
| Carbofuran             | Dimetoato                  | Fosfamidon             |
| Carboxin               | Dimetomorf                 | Foxim                  |
| Chlorbromuron          | Dioxacarb                  | Fuberidazole           |



|                       |                         |                       |
|-----------------------|-------------------------|-----------------------|
| Furatiocarb           | Monolinuron             | Rotenone              |
| Haloxypop             | Monuron                 | Sethoxydim            |
| Haloxypop Methyl      | Naftalam                | Siltiofam             |
| Hexaconazole          | Napropamid              | Simazin               |
| Hexaflumurom          | Neburon                 | Spirodiclofen         |
| Hexythiazox           | Nicosulfuron            | Spiromesifen          |
| Imazalil              | Nitempyram              | Sulfentrazone         |
| Imazamethabenz Methyl | Novaluron               | TCMBT (Busan)         |
| Imazamox              | Omethoat                | Tebufenozide          |
| Imazaquin             | Oxamil                  | Tebutam               |
| Imidacloprid          | Oxasulfuron             | Teflubenzuron         |
| Indoxacarb            | Oxycarboxin             | Temefos               |
| Isoprocarb            | Paraoxon                | Tepraloxym            |
| isoproturon           | Paraoxon Methyl         | Tetramethrin          |
| Isoxaben              | Pebulate                | Thiobencarb           |
| Kresoxim Methyl       | Phorate Sulfoxide       | Thionazin             |
| Linuron               | Picolinafen             | Tiabendazolo          |
| Mandipropamide        | Picoxistrobin           | Tiacloprid            |
| Mephosfolan           | Pimetrozine             | Tiametoxam            |
| Metabenzthiazuron     | Piraclostrobin          | Tifensulfuronmetile   |
| Metaflumizone         | Piridaben               | Tiodicarb             |
| Metalaxil             | Piridate                | Tiofanox              |
| Metamitron            | Piriproxifen            | Tiofanox Sulfoxide    |
| Metconazole           | Pretilachlor            | Tralkoxydim           |
| Methacrifos           | Prochloraz              | Triadimenol           |
| Methamidophos         | Prodiamine              | Triasulfuron          |
| Methiocarbsulfon      | Promecarb               | Triazofos             |
| Metiocarb             | Propaclor               | Tribenuron Methyl     |
| Metiocarb Sulfoxid    | Propaquizafop           | Tricyclazole          |
| Metobromuron          | Propargite              | Tridemorf             |
| Metolachlor           | Propiconazole           | Trietazine            |
| Metolcarb             | Propoxur                | Trifloxystrobin       |
| Metomil               | Propoxycarbazone Sodium | Triflunuron           |
| Metossifenozone       | Prosulfocarb            | Triflusulfuron Methyl |
| Metosulam             | Pyracarbolid            | Triforine             |
| Metoxuron             | Pyraflufen Ethyl        | Trinexapc Ethyl       |
| Metrafenone           | Pyrethrin               | Vamidothion           |
| Metsulfuronmetile     | Pyrimethanil            | Zoxamide              |
| Mevinfos              | Quinclorac              |                       |

<sup>12</sup>Determination of Pesticide Residues – Multiresidues Method (QuEChERS) by LC-MS/MS in Soybean:

|                      |                     |                        |
|----------------------|---------------------|------------------------|
| 3-Hidroxy Carbofuran | Aminocarb           | Benzoilpropetile       |
| 6-Benziladenine      | Anilazine           | Benzoximate            |
| Abamectin            | Aramite             | Benzthiazuron          |
| Acephat              | Atrazin             | Boscalid               |
| Acetamiprid          | Atrazine-Desethyl   | Bromacil               |
| Acibenzolar-S-Methyl | Azinphos-Methyl     | Bromuconazol 2         |
| Aclonifen            | Azoxystrobin        | Butocarboxim           |
| Aldicarb             | Azynphos-ethyl      | Butocarboxim Sulfoxide |
| Aldicarb Sufoxide    | Barban (NH4-Adduct) | Butoxycarboxim         |
| Aldicarb Sulfone     | Bendiocarb          | Buturon                |
| Allethrin            | Benoxacor           | Carbaril               |
| Allidoclor           | Bensulfuron Methyl  | Carbendazim Benomil    |
| Amidosulfuron        | Bensulide           | Carbofuran             |

Carboxin  
Carfentrazone Ethyl  
Chlorbromuron  
Chlorbufam  
Chlorimuron  
Cialofop butyl  
Ciazofamide  
Cimoxanil  
Ciromazina  
Cletodim  
Clodinafoppropargil  
Clofentezine  
Cloridazon  
Clorsulfuron  
Clortiofos  
Clortoluron  
Coumafos  
Crimidin  
Cycloat  
Cycloxydim  
Cycluron  
Cymiazole  
Cyphenothrin  
Cyprodinil  
DEET  
Demeton-S-Methyl  
Demeton-S-Methyl Sulfoxide  
Demeton-S-Methyl-Sulfon  
Desisopropylatrazin  
Desmedipham  
Diazinon  
Dichlormid  
Dietofencarb  
Difenoconazole  
Diflubenzuron  
Dimethachlor  
Dimethametryn  
Dimetoato  
Dimetomorf  
Dioxacarb  
Disulfoton Sulfoxide  
Diuron  
Dodemorph  
Epoiconazole  
Ethiofencarb Sulfone  
Ethiofencarb Sulfoxide  
Ethirimol  
Etiofencarb  
Etiprole  
Etofumesate  
Etoxazolo  
Famoxadone  
Fenamidone  
Fenamiphos  
Fenamiphos Sulfone

Fenamiphos Sulfoxide  
Fenazaquin  
Fenmedipham  
Fenobucarb  
Fenothrin  
Fenoxanil  
Fenoxaprop-p-Ethyl  
Fenpiclonil  
Fenpiroximate  
Fenpropidin  
Fenpropimorf  
Fenthion-PS-Sulfoxide  
Fentrazamide  
Fenuron  
Flonicamid  
Flufenuxuron  
Flumioxazina  
Flupirsulfuron Methyl  
Flurochloridon  
Flurprimidol  
Folpet  
Forclorfenuron  
Formetanato  
Foxim  
Fuberidazole  
Furatiocarb  
Haloxifop  
Haloxifop Methyl  
Hexaconazole  
Hexaflumurom  
Hexythiazox  
Imazalil  
Imazamethabenz Methyl  
Imazamox  
Imazaquin  
Imidacloprid  
Indoxacarb  
Isoprocab  
isoproturon  
Isoxaben  
Kresoxim Methyl  
Linuron  
Lufenuron  
Mandipropamide  
Mephosfolan  
Metabenzthiazuron  
Metaflumizone  
Metalaxil  
Metamitron  
Metconazole  
Methacrifos  
Methamidophos  
Methiocarbsulfon  
Metiocarb  
Metobromuron

Metolachlor  
Metolcarb  
Metomil  
Metossifenozone  
Metosulam  
Metoxuron  
Metrafenone  
Metsulfuronmetile  
Mevinfos  
Monolinuron  
Monuron  
Naftalam  
Napropamid  
Neburon  
Nicosulfuron  
Nitempyram  
Novaluron  
Omethoat  
Oxamil  
Oxasulfuron  
Oxycarboxin  
Paraoxon  
Paraoxon Mmethyl  
Pebulate  
Phorate Sulfoxide  
Picoxistrobin  
Pimetrozine  
Piraclostrobin  
Piridaben  
Piridate  
Piriproxifen  
Pretilachlor  
Prochloraz  
Prodiamine  
Promecarb  
Propaclor  
Propamocarb  
Propaquizafop  
Propargite  
Propiconazole  
Propoxur  
Propoxycarbazon Sodium  
Prosulfocarb  
Pyracarbolid  
Pyrethrins Pyrethrin  
Pyrimethanil  
Quinclorac  
Rotenone  
Sethoxydim  
Siltiofam  
Simazin  
Spinosin A  
Spinosyn D  
Spirodiclofen  
Spiromesifen



Spiroxamine  
TCMBT (Busan)  
Tebufenozide  
Tebutam  
Teflubenzuron  
Temefos  
Tepraloxydim  
Tetramethrin  
Thiazopyr  
Thiobencarb  
Thionazin

Thiophante Methyl  
Tiabendazolo  
Tiacloprid  
Tiametoxam  
Tifensulfuronmetile  
Tiodicarb  
Tiofanox  
Tiofanox Sulfoxide  
Tralkoxydim  
Triasulfuron  
Triazofos

Tribenuron Methyl  
Tricyclazole  
Tridemorf  
Trietazine  
Trifloxystrobin  
Triflumuron  
Triflusulfuron Methyl  
Trinexapc Ethyl  
Triticonazol  
Vamidothion  
Zoxamide

WITHDRAWN



## Accredited Laboratory

A2LA has accredited

**BIOAGRI ANALISES DE ALIMENTOS LTDA**

*Sao Paulo, BRASIL*

for technical competence in the field of

**Chemical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 18<sup>th</sup> day of October 2022.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 5180.02  
Valid to August 31, 2024

*For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.*