

# Accreditation Certificate

## Pesticide Control Laboratory

Department of Agriculture, Fisheries and Food

Backweston Laboratory Campus, Young's Cross, Backweston, Celbridge,

Co Kildare

Testing Laboratory

Registration number: 121T

is accredited by the Irish National Accreditation Board (INAB) to undertake testing as detailed in the Schedule bearing the Registration Number detailed above, in compliance with the International Standard ISO/IEC 17025:2005 2<sup>nd</sup> Edition "General Requirements for the Competence of Testing and Calibration Laboratories" *(This Certificate must be read in conjunction with the Annexed Schedule of Accreditation)*

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Date of award of accreditation: 11:12:2000

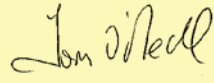
Date of last renewal of accreditation: 04:06:2010

Expiry date of this certificate of accreditation: 11:12:2015

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This Accreditation shall remain in force until further notice subject to continuing compliance with INAB accreditation criteria, ISO/IEC 17025 and any further requirements specified by the Irish National Accreditation Board.

Manager:   
Dr Adrienne Duff

Chairperson:   
Mr Tom O'Neill

Issued on 23 November 2010

Organisations are subject to annual surveillance and are re-assessed every five years. The renewal date on this Certificate confirms the latest date of renewal of accreditation. To confirm the validity of this Certificate, please contact the Irish National Accreditation Board.

The INAB is a signatory of the European co-operation for Accreditation (EA) Testing Multilateral Agreement (MLA) and the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement.

# Schedule of Accreditation



(Annex to Accreditation Certificate)

Permanent Laboratory:  
Category A

## PESTICIDE CONTROL LABORATORY

### Chemical Testing Laboratory

**Initial Registration Date :** 11-December-2000  
**Postal Address:** Backweston Laboratory Campus  
**(Address of other locations as they apply)** Young's Cross  
Backweston  
Celbridge  
Co Kildare  
**Telephone:** +353 (1) 6157552  
**Fax:** +353 (1) 6157574  
**E-mail:**  
**Contact Name:** Dr Jim Garvey  
**Facilities:** Normally not available for Public testing

# Schedule of Accreditation



Permanent Laboratory:  
 Category A

THE IRISH NATIONAL ACCREDITATION BOARD (INAB) is the Irish body for the accreditation of organisations including laboratories.

Laboratory accreditation is available to testing and calibration facilities operated by manufacturing organisations, government departments, educational institutions and commercial testing/calibration services. Indeed, any organisation involved in testing, measurement or calibration in any area of technology can seek accreditation for the work it is undertaking.

Each accredited laboratory has been assessed by skilled specialist assessors and found to meet criteria which are in compliance with ISO/IEC 17025 or ISO/IEC 15189 (medical laboratories). Frequent audits, together with periodic inter-laboratory test programmes, ensure that these standards of operation are maintained.

## Testing and Calibration Categories:

- Category A:** Permanent laboratory calibration and testing where the laboratory is erected on a fixed location for a period expected to be greater than three years.
- Category B:** Site calibration and testing that is performed by staff sent out on site by a permanent laboratory that is accredited by the Irish National Accreditation Board.
- Category C:** Site calibration and testing that is performed in a site/mobile laboratory or by staff sent out by such a laboratory, the operation of which is the responsibility of a permanent laboratory accredited by the Irish National Accreditation Board.
- Category D:** Site calibration and testing that is performed on site by individuals and organisations that do not have a permanent calibration/testing laboratory. Testing may be performed using
- (a) portable test equipment
  - (b) a site laboratory
  - (c) a mobile laboratory or
  - (d) equipment from a mobile or site laboratory

## Standard Specification or Test Procedure Used:

The standard specification or test procedure that is accredited is the issue that is current on the date of the most recent visit, unless otherwise stated.

## Glossary of Terms

### Facilities:

- Public calibration/testing service:** Commercial operations which actively seek work from others.
- Conditionally available for public calibration/testing:** Established for another primary purpose but, more commonly than not, is available for outside work.
- Normally not available for public calibration/testing:** Unavailable for public calibration/testing more often than not.

Laboratory users wishing to obtain assurance that calibration or test results are reliable and carried out to the Irish National Accreditation Board criteria should insist on receiving an accredited calibration certificate or test report. Users should contact the laboratory directly to ensure that this scope of accreditation is current. INAB will, on request, verify the status and scope.

# Scope of Accreditation



## Pesticide Control Laboratory

Permanent Laboratory:

## Chemical Testing Laboratory

Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
<p>752     <b>Residues in Foods and Agricultural Materials</b></p> <p>.02     Pesticides</p> <p>          <i>Pesticide residues in food of plant origin</i></p> <p>          (1)     Fruit +               Vegetables + Honey           SOP101</p> <p>          (2)     Cereals SOP108</p>	<p>Screening, confirmation and quantification of pesticide residues in food of plant origin</p> <p>A range of pesticides from organochlorine, pyrethroids, organophosphorous and other families of pesticides as defined in Annex 1</p>	<p>Documented in house method (SOP 101, SOP 108) based on: Standard multi-residue method used based on "Analytical methods for pesticide residues in foodstuffs" 6th Ed - Ministry of Health, Welfare and Sport, The Netherlands/(SOP111) based on standard multi-residue methods (1) - Lehotay et. al JAOAC Vol. 88 NO. 2 (2005) 615.</p> <p>Chemical analysis using gas chromatography, MSD and MS/MS (SOP202/203/204/227) and HPLC with MS/MS detector (SOP221)</p>

# Scope of Accreditation



## Pesticide Control Laboratory

Permanent Laboratory:

## Chemical Testing Laboratory

Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
752 Residues in Foods and Agricultural Materials  .02 Pesticides <i>Pesticide residues in food of animal origin (fat)</i>	Screening, confirmation and quantification of pesticide residues in food of animal origin (i.e. animal fats)  A list of pesticides from organochlorine, pyrethroids organophosphorous and PCB families of pesticides as defined in Annex 2	Documented in house method (SOP 106) based on: Standard multi-residue Method based on "Manual of Pesticide Residue Analysis Vol 1". DFG Deutsche Forschungs Gemeinschaft  Chemical analysis using Gas Chromatography MS and MS/MS - SOP's (202/203/204/227)
	Screening, confirmation and quantification of Amitraz and its metabolites, DMPF and DMF, in fruit and honey.	Documented in house method (SOP 114) based on: The analysis of Amitraz and its Metabolites via QuEChERS and LC-MS/MS based on standard multi-residue method published as J. AOAC Int. 88 615-629 - Steven J. Lehotay, Katerina Mastrovskas & Alan R. Lightfield Analysis by LC-MS/MS

# Scope of Accreditation



## Pesticide Control Laboratory

Permanent Laboratory:

## Chemical Testing Laboratory

Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
<b>752 Residues in Foods and Agricultural Materials</b> .02 Pesticides <i>Pesticide residues in Milk</i>	Screening, confirmation and quantification of pesticide residues in food of plant origin  A list of pesticides from organochlorine, organophosphorous, pyrethroids and other families of pesticides as defined in Annex 3	Documented in-house method (SOP 111) based on standard multi-residue methods (1) - Lehotay et al JAOAC Vol 88 No.2 2005 615  Chemical analysis using Gas Chromatography (MS and MS/MS) - SOP's (202/203/204/227) HPLC with MS/MS detector (SOP 221)
<b>761 Agricultural Products and materials</b> .11 <i>Insecticides and acaricide formulations</i> .12 <i>Herbicide formulations</i> .13 <i>Fungicide formulations</i> .99 <i>Other Agricultural products</i> - Pesticides - Biocides	Quantitation of active substance in plant protection products as defined in Annex 4.  Range 0 - 100%	Documented in house method (SOP 112) based on standard CIPAC/AOAC/EU91/414 methods  Chemical analysis using Gas Chromatography, FID/MS (SOP224) or HPLC DAD/CoronaCAD (SOP 207)

# Scope of Accreditation



## Pesticide Control Laboratory Chemical Testing Laboratory

Permanent Laboratory:  
Category A

ANNEX 1 Pesticides analysed using the method for food of plant origin.					
GC-MS Compounds		GC-MS Compounds		GC-MS Compounds	
Pesticide	Range (mg/kg)	Pesticide	Range (mg/kg)	Pesticide	Range (mg/kg)
Acephate	0.01-100	Bupirimate	0.01-100	Cyfluthrin	0.01-100
Aclonifen	0.01-100	Buprofezin	0.01-100	Cypermethrin	0.01-100
Acrinathrin	0.01-100	Cadusafos	0.01-100	Cyproconazole	0.01-100
Alachlor	0.01-100	Captafol	0.02-100	Cyprodinil	0.01-100
Aldrln	0.01-100	Carbaryl	0.01-100	Deltamethrin	0.01-100
Atrazine	0.01-100	Carofuran	0.01-100	Demeton-S Methyl Sulfone	0.01-100
Azaconazole	0.01-100	Chlorbenzilate	0.01-100	Diazinon	0.01-100
Azamethiaphos	0.01-100	Chlorbufam	0.01-100	Dichlobenil	0.01-100
Azinphos-ethyl	0.01-100	Chlorfenapyr	0.01-100	Dichlofluanid	0.01-100
Azinphos-methyl	0.01-100	Chlorfenvinphos	0.01-100	Dichloran	0.01-100
Azoxystrobin	0.01-100	Chlorothalonil	0.01-100	Dichlorvos	0.01-100
Benalaxyl	0.01-100	Chlorpropham	0.01-100	Dicofol	0.01-100
Bifenthrin	0.01-100	Chlorpyrifos	0.01-100	Dieldrin	0.01-100
Binapacryl	0.01-100	Chlorpyrifos-Methyl	0.01-100	Dimethoate	0.01-100
Biphenyl	0.01-100	Chlorthal-Dimethyl	0.01-100	Diphenylamine	0.01-100
Bitertanol	0.01-100	Chlozolate	0.01-100	DMSA	0.02-100
Boscalid	0.01-100	cis-Chlordane	0.01-100	DMST	0.02-100
Bromophos-Ethyl	0.01-100	Coumaphos	0.01-100	Endosulfan Ether	0.01-100
Bromophos-Methyl	0.01-100	Cyanofenphos	0.01-100	Endosulfan Lactone	0.01-100
Bromopropylate	0.01-100	Cyanophos	0.01-100	Endosulfan Sulfate	0.02-100

Flexible Scope: Additional substances may be added in accordance with the laboratory's approved and documented procedures. For details refer to the laboratory's List of Additionally Accredited Tests, available from the laboratory.

# Scope of Accreditation



## Pesticide Control Laboratory

Permanent Laboratory:

Category A

## Chemical Testing Laboratory

ANNEX 1 Pesticides analysed using the method for food of plant origin.					
GC-MS Compounds		GC-MS Compounds		GC-MS Compounds	
Pesticide	Range (mg/kg)	Pesticide	Range (mg/kg)	Pesticide	Range (mg/kg)
Endrin	0.01-100	Flucythrinate	0.01-100	Isofenphos-Methyl	0.01-100
EPN	0.01-100	Fludioxinil	0.01-100	Kresoxim Methyl	0.01-100
Epoxyconazole	0.01-100	Flurtamone	0.01-100	Lenacil	0.01-100
Esfenvalerate	0.01-100	Flusilazole	0.01-100	Lindane	0.01-100
Ethion	0.01-100	Flutolanil	0.01-100	Malaoxon	0.01-100
Ethoprophos	0.01-100	Flutriafol	0.01-100	Malathion	0.01-100
Etoxazole	0.01-100	Folpet	0.01-100	MCPAMethyl Ester	0.01-100
Etridiazole	0.01-100	Fonofos	0.01-100	Mecarbam	0.01-100
Etrimfos	0.01-100	Furalaxyl	0.01-100	Mepronil	0.01-100
Fenamidone	0.01-100	Heptachlor	0.01-100	Metalaxyl	0.01-100
Fenarimol	0.01-100	Heptachlorexo-epoxide	0.01-100	Metamitron	0.01-100
Fenazaquin	0.01-100	Heptenophos	0.01-100	Metazochlor	0.01-100
Fenbuconazole	0.01-100	Hexachlorobenzene	0.01-100	Methacrifos	0.01-100
Fenchchlorphos	0.01-100	Hexaconazole	0.01-100	Methidathion	0.01-100
Fenitrothion	0.01-100	Iodofenphos	0.01-100	Methiocarb	0.01-100
Fenpropathrin	0.01-100	Iprodione	0.01-100	Methoxychlor	0.01-100
Fenthion	0.01-100	Iprovalicarb	0.01-100	Metolachlor	0.01-100
Fenvalerate	0.01-100	Isazophos	0.01-100	Metribuzin	0.01-100
Flamprop isopropyl	0.01-100	Isodrin	0.01-100	Mevinphos	0.01-100
Flucythrinate	0.01-100	Isofenphos	0.01-100	Mirex	0.01-100

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# Scope of Accreditation



## Pesticide Control Laboratory

Permanent Laboratory:

Category A

## Chemical Testing Laboratory

ANNEX 1 Pesticides analysed using the method for food of plant origin.					
GC-MS Compounds		GC-MS Compounds		GC-MS Compounds	
Pesticide	Range (mg/kg)	Pesticide	Range (mg/kg)	Pesticide	Range (mg/kg)
Molinate	0.01-100	Penconazole	0.01-100	Propham	0.01-100
Monocrotophos	0.02-100	Pendimethalin	0.01-100	Propiconazole	0.01-100
Myclobutanil	0.01-100	Permethrin	0.01-100	Propoxur	0.01-100
Napropamide	0.01-100	Phenthoate	0.01-100	Propyzamide	0.01-100
Nuarimol	0.01-100	Phosalone	0.01-100	Prothiophos	0.01-100
o,p'-DDD	0.01-100	Phosmet	0.01-100	Pyrazophos	0.01-100
o,p'-DDE	0.01-100	Phosphamidon	0.01-100	Pyridaben	0.01-100
o,p'-DDT	0.01-100	Picoxystrobin	0.01-100	Pyrifenox	0.02-100
o,p'-DDT	0.01-100	Piperonyl butoxide	0.01-100	Pyrimethanil	0.01-100
Omethoate	0.01-100	Pirimcarb	0.01-100	Pyriproxyfen	0.01-100
o-Phenylphenol	0.01-100	Pirimiphos-ethyl	0.01-100	Quinalphos	0.01-100
Oxadixyl	0.01-100	Pirimiphos-methyl	0.01-100	Quintozene	0.01-100
p,p'-DDD	0.01-100	Prochloraz	0.01-100	Simazine	0.01-100
p,p'-DDE	0.01-100	Procymidone	0.01-100	Spirodiclofen	0.01-100
p,p'-DDT	0.01-100	Profenophos	0.01-100	tau-Fluvalinate	0.01-100
Paclobutrazol	0.01-100	Prometryn	0.01-100	Tebuconazole	0.01-100
Paraoxon	0.01-100	Propachlor	0.01-100	Tecnazene	0.01-100
Paraoxon Methyl	0.01-100	Propanil	0.01-100	Terbutylazine	0.01-100
Parathion Methyl	0.01-100	Propargite	0.01-100	Tetradifon	0.01-100
Parathion	0.01-100	Propetamphos	0.01-100	Tetrazonazole	0.01-100

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# Scope of Accreditation



## Pesticide Control Laboratory

Permanent Laboratory:

## Chemical Testing Laboratory

Category A

ANNEX 1 Pesticides analysed using the method for food of plant origin.					
GC-MS Compounds		GC-MS Compounds		GC-MS Compounds	
Pesticide	Range (mg/kg)	Pesticide	Range (mg/kg)	Pesticide	Range (mg/kg)
Tolclofos-methyl	0.01-100				
Tolyfluanid	0.01-100				
trans-Chlordane	0.01-100				
Triadimefon	0.01-100				
Triadimenol	0.01-100				
Triazophos	0.01-100				
Trifloxystrobin	0.01-100				
Triflumizole	0.02-100				
Trifluralin	0.01-100				
Triticonazole	0.01-100				
Vinclozolin	0.01-100				
Zoxamide	0.01-100				
α-HCH	0.01-100				
β-Cyfluthrin	0.01-100				
β-Endosulfan	0.01-100				
β-HCH	0.01-100				
δ-HCH	0.01-100				
λ-Cyhalothrin	0.01-100				
4,4-Dichlorobenzophenone	0.01-100				

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# Scope of Accreditation



## Pesticide Control Laboratory

Permanent Laboratory:

## Chemical Testing Laboratory

Category A

ANNEX 1 Pesticides analysed using the method for food of plant origin.					
LC-MS Compounds		LC-MS Compounds		LC-MS Compounds	
Pesticide	Range (mg/kg)	Pesticide	Range (mg/kg)	Pesticide	Range (mg/kg)
Acetamiprid	0.01-100	Carbosulfan	0.01-100	Dinoterb	0.02-100
Aldicarb	0.02-100	Carboxin	0.01-100	Diuron	0.01-100
Aldicarb sulfone	0.01-100	Chlorbromuron	0.01-100	DNOC	0.01-100
Aldicarb-sulfoxide	0.02-100	Chlorfluazuron	0.01-100	Ethiofencarb	0.01-100
Ametryn	0.01-100	Clofentozine	0.01-100	Ethiofencarb sulfone	0.02-100
Aminocarb	0.01-100	Cyanazine	0.01-100	Ethiofencarb sulfoxide	0.02-100
Azoxystrobin	0.01-100	Cyazofamid	0.01-100	Ethofumesate	0.01-100
Bendiocarb	0.01-100	Cyclanilide	0.02-100	Etofenprox	0.01-100
Bentazone	0.01-100	Cycloxydim	0.02-100	Famoxadone	0.01-100
Boscalid	0.01-100	Cymoxanil	0.01-100	Fenamiphos	0.01-100
Bromacil	0.01-100	Cyprodinil	0.01-100	Fenhexamide	0.01-100
Bromoxanil	0.01-100	Demeton-s-methyl sulfoxide	0.01-100	Fenoxycarb	0.01-100
Bromuconazole	0.01-100	Diclobutrazol	0.01-100	Fenpiclonil	0.01-100
Bupirimate	0.01-100	Diethofencarb	0.01-100	Fenpropidin	0.01-100
Buprofezin	0.01-100	Difenoconazole	0.01-100	Fenpropimorph	0.01-100
Butocarboxim-sulfoxide	0.01-100	Diflubenzuron	0.01-100	Fenpyroximate	0.01-100
Butoxycarboxim	0.01-100	Dimethenamid	0.01-100	Fenthion	0.01-100
Carbaryl	0.01-100	Dimethomorph	0.01-100	Fenthion sulfone	0.01-100
Carbendazim	0.02-100	Diniconazole	0.01-100	Fipronyl	0.01-100
Carbofuran	0.01-100	Dinoseb	0.02-100	Fipronyl Disulfinyl	0.01-100

Flexible Scope: Additional substances may be added in accordance with the laboratory's approved and documented procedures. For details refer to the laboratory's List of Additionally Accredited Tests, available from the laboratory.

# Scope of Accreditation



## Pesticide Control Laboratory Chemical Testing Laboratory

Permanent Laboratory:  
Category A

ANNEX 1 Pesticides analysed using the method for food of plant origin.					
LC-MS Compounds		LC-MS Compounds		LC-MS Compounds	
Pesticide	Range (mg/kg)	Pesticide	Range (mg/kg)	Pesticide	Range (mg/kg)
Fipronyl Sulfid	0.01-100	Iodosulfuron methyl	0.01-100	Paclobutrazol	0.01-100
Fipronyl Sulfone	0.01-100	loxynil	0.01-100	Paraoxon Ethyl	0.01-100
Flazasulfuron	0.01-100	Isofenphos	0.02-100	Pencycuron	0.01-100
Florasulam	0.01-100	Isoproturon	0.01-100	Phorate sulfoxide	0.01-100
Fluazifop	0.02-100	Linuron	0.01-100	Picoxystrobin	0.01-100
Fluazinam	0.01-100	Lufenuron	0.01-100	Piperonyl butoxide	0.01-100
Flucythrinate	0.01-100	MCPA	0.02-100	Prometryn	0.01-100
Fludioxonil	0.01-100	MCPB	0.01-100	Prothiofos	0.01-100
Flufenacet	0.01-100	Mecoprop-P	0.01-100	Pymetrozine	0.02-100
Fluquinconazole	0.01-100	Mepanipyrim	0.01-100	Pyraclostrobin	0.01-100
Flutolanil	0.01-100	Mephosfolan	0.01-100	Pyridaben	0.01-100
Flutriafol	0.01-100	Mepronil	0.01-100	Pyridaphenthion	0.01-100
Fuberidazole	0.01-100	Mesosulfuron methyl	0.01-100	Pyrimethanil	0.01-100
Furathiocarb	0.01-100	Metamitron	0.01-100	Quinoxifen	0.01-100
Haloxypop	0.02-100	Metconazole	0.01-100	Quizalofop	0.02-100
Hexaflumuron	0.01-100	Methomy	0.01-100	Rimsulfuron	0.01-100
Hexythiazox	0.01-100	Methoxyfenozide	0.01-100	Rotenone	0.01-100
Imazalil	0.01-100	Metobromuron	0.01-100	Spinosad A/B	0.01-100
Imidacloprid	0.01-100	Oxamyl	0.01-100	Spiroxamine	0.01-100
Indoxacarb	0.01-100	Oxamyl-oxime	0.01-100	Sulfentrazone	0.01-100

Flexible Scope: Additional substances may be added in accordance with the laboratory's approved and documented procedures. For details refer to the laboratory's List of Additionally Accredited Tests, available from the laboratory.



# Scope of Accreditation



## Pesticide Control Laboratory

Permanent Laboratory:

## Chemical Testing Laboratory

Category A

ANNEX 2 Pesticides analysed using the method for food of animal origin.					
Pesticide	Range (mg/kg)	Pesticide	Range (mg/kg)	Pesticide	Range (mg/kg)
Azinphos-Ethyl	0.20-100	Methoxyxchlor	0.005-100	pp-DDT	0.005-100
Azinphos-Methyl	0.06-100	Mevinphos	0.02-100	Propetamphos	0.05-100
Bromophos-Ethyl	0.07-100	op-DDD	0.005-100	Quintozene	0.005-100
Bromophos-Methyl	0.07-100	Op-DDE	0.005-100	Tecnazene	0.005-100
Chlorfenvinphos	0.06-100	Op-DDT	0.005-100	Triazophos	0.05-100
Chlorpyrifos	0.05-100	Parathion	0.10-100	$\alpha$ -Endosulfan	0.005-100
Chlorpyrifos-Methyl	0.05-100	Parathion-Methyl	0.05-100	$\alpha$ -HCH	0.005-100
Diazinon	0.05-100	PCB 101	0.01-100	$\beta$ -HCH	0.01-100
Dichlorvos	0.05-100	PCB 118	0.01-100		
Dieldrin	0.005-100	PCB 138	0.01-100		
Dimethoate	0.05-100	PCB 153	0.01-100		
Endrin	0.005-100	PCB 28	0.01-100		
Ethion	0.05-100	PCB 52	0.01-100		
Fenchlorphos	0.05-100	PCB180	0.01-100		
Heptachlor-cis-epoxide	0.005-100	Permethrin	0.04-100		
Hexachlorobenzene	0.005-100	Phosalone	0.13-100		
Iodofenfos	0.10-100	Pirimphos-Ethyl	0.10-100		
Lindane	0.005-100	Pirimphos-Methyl	0.07-100		
Malathion	0.05-100	pp-DDD	0.004-100		
Methodathion	0.04-100	pp-DDE	0.005-100		

Flexible Scope: Additional substances may be added in accordance with the laboratory's approved and documented procedures. For details refer to the laboratory's List of Additionally Accredited Tests, available from the laboratory.

# Scope of Accreditation



## Pesticide Control Laboratory

Permanent Laboratory:

## Chemical Testing Laboratory

Category A

ANNEX 3 Analysis of milk samples.					
Pesticide	Range (mg/kg)	Pesticide	Range (mg/kg)	Pesticide	Range (mg/kg)
Aldrin	0.005-100	Fonofos	0.01-100	PCB180	0.005-100
Azinphos-Ethyl	0.05-100	HCB	0.005-100	PCB28	0.005-100
Azinphos-Methyl	0.1-100	Heptachlor	0.005-100	PCB52	0.005-100
Bromophos-Ethyl	0.2-100	Heptachlor exo-epoxide	0.05-100	Permethrin	0.01-100
Bromophos-Methyl	0.02-100	Iodofenphos	0.02-100	Phosalone	0.005-100
Chlorbenzilate	0.005-100	Lindane	0.005-100	Pirimphos-Ethyl	0.01-100
Chlorfenvinphos	0.01-100	Malaoxon	0.01-100	Pirimphos-Methyl	0.01-100
Chlorpyrifos	0.01-100	Malathion	0.01-100	ppDDD	0.005-100
Chlorpyrifos-Methyl	0.01-100	Methidathion	0.005-100	ppDDE	0.005-100
Cis-Chlordane	0.01-100	Methoxychlor	0.02-100	ppDDT	0.005-100
Coumaphos	0.01-100	Mevinphos	0.02-100	Propetamphos	0.02-100
Cyfluthrin-I	0.02-100	opDDD	0.005-100	Quintozene	0.01-100
Diazinon	0.01-100	opDDE	0.02-100	Tecnazene	0.01-100
Dichlorvos	0.01-100	opDDT	0.05-100	trans-Chlordane	0.01-100
Dimethoate	0.02-100	Parathion-Ethyl	0.01-100	Triazophos	0.02-100
Endosulfan-1	0.01-100	Parathion-Methyl	0.005-100	α-HCH	0.005-100
Endosulfan-2	0.02-100	PCB101	0.005-100	β-HCH	0.005-100
Endrin	0.02-100	PCB118	0.005-100	δ-HCH	0.005-100
Ethion	0.01-100	PCB138	0.005-100	λ-Cyhalothrin	0.005-100
Fenchlorphos	0.01-100	PCB153	0.005-100		

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# Scope of Accreditation



## Pesticide Control Laboratory

Permanent Laboratory:

## Chemical Testing Laboratory

Category A

ANNEX 4 Quantitation of active substance in plant protection products.					
Pesticide	Range %	Pesticide	Range %	Pesticide	Range %
Abamectin	0.1-100	Captan	0.1-100	Cypermethrin	0.1-100
Acetamiprid	0.1-100	Carbendazim	0.1-100	Cyproconazole	0.1-100
Aclonifen	0.1-100	Carbetamide	0.1-100	Cyprodinil	0.1-100
alpha-Cypermethrin	0.1-100	Carboxin	0.1-100	Daminozide	0.1-100
Amidosulfuron	0.1-100	Carfentrazone-ethyl	0.1-100	Dazomet	0.1-100
Aminopyralid	0.1-100	Chloridazon	0.1-100	Deltamethrin	0.1-100
Amitrole (Aminotriazole)	0.1-100	Chlormequat	0.1-100	Desmedipham	0.1-100
Asulam	0.1-100	Chlorothalonil	0.1-100	Dicamba	0.1-100
Azoxystrobin	0.1-100	Chlorpropham	0.1-100	Dichlobenil	0.1-100
Benalaxyl	0.1-100	Chlorpyrifos	0.1-100	Dichlorprop-P	0.1-100
Bentazone	0.1-100	Chlorpyrifos-methyl	0.1-100	Difenoconazole	0.1-100
Beta-Cyfluthrin	0.1-100	Chlorthal-dimethyl	0.1-100	Diflubenzuron	0.1-100
Bifenox	0.1-100	Clodinafop	0.1-100	Diflufenican	0.1-100
Bifenthrin	0.1-100	Clopyralid	0.1-100	Di-l-p-menthene	0.1-100
Biphenate	0.1-100	Cloquintocet-mexyl	0.1-100	Dimethoate	0.1-100
Boscalid	0.1-100	Clothianidin	0.1-100	Dimethomorph	0.1-100
Bromadiolone	0.1-100	Cyazofamid	0.1-100	Dimoxystrobin	0.1-100
Bromoxynil	0.1-100	Cycloxydim	0.1-100	Diphenylamine	0.1-100
Bromuconazole	0.1-100	Cyfluthrin	0.1-100	Diquat (dibromide)	0.1-100
Bupirimate	0.1-100	Cymoxanil	0.1-100	Dithianon	0.1-100

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# Scope of Accreditation



## Pesticide Control Laboratory

Permanent Laboratory:

Category A

## Chemical Testing Laboratory

ANNEX 4 Quantitation of active substance in plant protection products.					
Pesticide	Range %	Pesticide	Range %	Pesticide	Range %
Diuron	0.1-100	Fluoxastrobin	0.1-100	Iprodione	0.1-100
Dodine	0.1-100	Flupyrsulfuron Methyl	0.1-100	Isoproturon	0.1-100
Epoxiconazole	0.1-100	Fluquinconazole	0.1-100	Isoxaben	0.1-100
Esfenvalerate	0.1-100	Fluroxypyr	0.1-100	Isoxaflutole	0.1-100
Ethephon	0.1-100	Flurtamone	0.1-100	Kresoxim Methyl	0.1-100
Ethofumesate	0.1-100	Flusilazole	0.1-100	lambda-Cyhalothrin	0.1-100
Ethoprophos	0.1-100	Flutriafol	0.1-100	Lenacil	0.1-100
Famoxadone	0.1-100	Fosetyl (-aluminium)	0.1-100	Linuron	0.1-100
Fenhexamid	0.1-100	Gibberellic acid	0.1-100	Malathion	0.1-100
Fenoxaprop-P (ethyl)	0.1-100	Glufosinate (- ammonium)	0.1-100	Maleic hydrazide	0.1-100
Fenpropidin	0.1-100	Glyphosate	0.1-100	Mancozeb	0.1-100
Fenpropimorph	0.1-100	Guazatine	0.1-100	Mandipropamid	0.1-100
Flonicamid	0.1-100	Hymexazol	0.1-100	Maneb	0.1-100
Florasulam	0.1-100	Imazalil	0.1-100	MCPA	0.1-100
Fluazifop-P (-butyl)	0.1-100	Imazamox	0.1-100	Mecoprop	0.1-100
Fluazinam	0.1-100	Imazaquin	0.1-100	Mecoprop-P	0.1-100
Fludioxonil	0.1-100	Imidacloprid	0.1-100	Mepanipyrim	0.1-100
Flufenacet	0.1-100	Indoxacarb	0.1-100	Mepiquat Chloride	0.1-100
Flumioxazin	0.1-100	Iodosulfuron-methyl-sodium	0.1-100	Mesosulfuron - Methyl	0.1-100
Flupicolide	0.1-100	loxynil	0.1-100	Mesotrione	0.1-100

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# Scope of Accreditation



## Pesticide Control Laboratory

Permanent Laboratory:

## Chemical Testing Laboratory

Category A

ANNEX 4 Quantitation of active substance in plant protection products.					
Pesticide	Range %	Pesticide	Range %	Pesticide	Range %
Metalaxyl M	0.1-100	Oxadiazon	0.1-100	Propamocarb	0.1-100
Metaldehyde	0.1-100	Oxamyl	0.1-100	Propaquizafop	0.1-100
Metam (-sodium)	0.1-100	Oxyfluorfen	0.1-100	Propiconazole	0.1-100
Metamitron	0.1-100	Paclobutrazol	0.1-100	Propyzamide	0.1-100
Metazachlor	0.1-100	Penconazole	0.1-100	Proquinazid	0.1-100
Metconazole	0.1-100	Pencycuron	0.1-100	Prosulfocarb	0.1-100
Methiocarb	0.1-100	Pendimethalin	0.1-100	Prothioconazole	0.1-100
Methyl nonyl ketone	0.1-100	Phenmedipham	0.1-100	Pymetrozine	0.1-100
Metiram	0.1-100	Picloram	0.1-100	Pyraclostrobin	0.1-100
Metrafenone	0.1-100	Picolinafen	0.1-100	Pyrethrins	0.1-100
Metribuzin	0.1-100	Picoxystrobin	0.1-100	Pyrimethanil	0.1-100
Metsulfuron (-methyl)	0.1-100	Pinoxaden	0.1-100	Quinoxifen	0.1-100
Myclobutanil	0.1-100	Piperonyl butoxide	0.1-100	Quizalofop-P-ethyl	0.1-100
Napropamide	0.1-100	Pirimicarb	0.1-100	Rimsulfuron	0.1-100
N-dodecylpyrrolidone	0.1-100	Pirimiphos-methyl	0.1-100	Rotenone	0.1-100
Nicotine	0.1-100	Poly(vinylpyrrolidone/1 hexadecene)	0.1-100	Silthiofam	0.1-100
N-methylpyrrolidone	0.1-100	Polyacrylamide	0.1-100	Spiromesifen	0.1-100
N-octylpyrrolidone	0.1-100	Prochloraz	0.1-100	Spiroxamine	0.1-100
Ortho phenol Phenol	0.1-100	Prohexadione Calcium	0.1-100	Sulfosulfuron	0.1-100
Orthobenzyl chlorophenol	0.1-100	Propachlor	0.1-100	Tebuconazole	0.1-100

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# Scope of Accreditation



## Pesticide Control Laboratory

Permanent Laboratory:

## Chemical Testing Laboratory

Category A

ANNEX 4 Quantitation of active substance in plant protection products.					
Pesticide	Range %	Pesticide	Range %	Pesticide	Range %
Tepraloxydim	0.1-100	2,4-DB	0.1-100		
Terbutylazine	0.1-100				
Thiabendazole	0.1-100				
Thiacloprid	0.1-100				
Thifensulfuron (-methyl)	0.1-100				
Thiophanate-methyl	0.1-100				
Thiram	0.1-100				
Tolclofos-methyl	0.1-100				
Tralkoxydim	0.1-100				
Triadimenol	0.1-100				
Tribenuron (-methyl)	0.1-100				
Triclopyr	0.1-100				
Trifloxystrobin	0.1-100				
Triflusulfuron (-methyl)	0.1-100				
Trinexapac ethyl	0.1-100				
Triticonazole	0.1-100				
Zoxamide	0.1-100				
1-methylcyclopropene	0.1-100				
1-Naphthylacetic acid	0.1-100				
2,4BD	0.1-100				

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