Irish National Accreditation Board

Accreditation Certificate

The State Laboratory

Young's Cross, Celbridge, Co. Kildare

Testing Laboratory

Registration number: 146T

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 2nd Edition** *"General Requirements for the Competence of Testing and Calibration Laboratories"* ***(This Certificate must only be read in conjunction with the Annexed Schedule of Accreditation)***

Date of award of accreditation: **21:07:2003**
Date of last renewal of accreditation: **20:06:2013**
Expiry date of this certificate of accreditation: **20:06:2018**

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: _____ **Chairperson:** _____

Issued on 20 June 2013

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.

Metropolitan Building, James Joyce Street, Dublin 1, Ireland. Tel +353 1 6147000 E-mail inab@inab.ie Web www.inab.ie

Schedule of Accreditation

(Annex to Accreditation Certificate)

Permanent Laboratory:
Category A

THE STATE LABORATORY

Chemical Testing Laboratory

Initial Registration Date :	**21-July-2003**
Postal Address:	Young's Cross, Celbridge, Co. Kildare
(Address of other locations as they apply)	
Telephone:	+353 (1) 5057000
Fax:	+353 (1) 5057070
E-mail:	info@statelab.ie
Contact Name:	Dr Grainne Carroll
Facilities:	Normally not available for Public testing

Schedule of Accreditation

ISO 17025 INAB ACCREDITED TESTING
DETAILED IN SCOPE REG NO. 146T

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 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

The State Laboratory

Permanent Laboratory:

Category A

Chemical Testing Laboratory

INAB Classification number (P9) Materials/products tested		Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
716	**Fuels**		
.02	Liquid Fuels	Gas Oil C.I. Solvent Yellow 124 2% - 150% of statutory value	In-house method using HPLC LSDH009
		Accutrace S10 fuel marker 2-120% of statutory value 50-3000 µg/L	In-house method using GCMS LSD H033

Scope of Accreditation

The State Laboratory

Permanent Laboratory:

Category A

Chemical Testing Laboratory

INAB Classification number (P9) Materials/products tested		Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
751 .08	Fruit and vegetables *Lettuce, Spinach and Cabbage*	Nitrate 250 – 5000 mg/kg	In house method based on EN12014-2:1997-04. Determination by anion exchange chromatography following extraction and clean-up. LSDM062
.11 .12	Wine Alcoholic Beverages (other than wine)	Alcohol strength by volume 1% - 75% v/v	In house method using a density meter following distillation. LSDB010

Scope of Accreditation

ISO 17025 INAB ACCREDITED TESTING
DETAILED IN SCOPE REG NO. 146T

The State Laboratory

Permanent Laboratory:
Category A

Chemical Testing Laboratory

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**	Determination of coccidiostats in feed Decoquinate 0.20-1.60 mg/kg	In-house LCMSMS method
.03	Antibiotics	Diclazuril 0.005-0.04 mg/kg Halofuginone 0.015-0.12 mg/kg Lasalocid 0.625-5.00 mg/kg Maduramicin 0.025-0.20 mg/kg Monensin 0.625-5.00 mg/kg Narasin 0.350-2.80 mg/kg Nicarbazin 0.250-2.00 mg/kg Robenidine 0.350-2.80 mg/kg Salinomycin 0.350-2.80 mg/kg Semduramicin 0.125-1.00 mg/kg	LSDA052
761	**Agriculture products and materials**	Screening and quantification of antibiotics. Range 25- 200 µg/kg	In-house method using QTrap LC-MSMS
.03	Stockfoods *Compound feeds* *Feed materials* *Mineral mixes*	Carbadox Chloramphenicol Chlortetracycline Clopidol Dimetridazole Dinitolmide Ethopabate Ipronidazole Metronidazole Ronidazole Sulfadiazine Sulfamethazine Tylosin Virginiamycin	LSD A095

Scope of Accreditation

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Category A

Chemical Testing Laboratory

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**	Aflatoxin M_1	In-house method based on ISO 14501:2007.
.05	Mycotoxins	Milk Liquid 0.025-1.0 µg/kg Milk Powder 0.25-25 µg/kg	Extraction and IA column clean-up. Determination by RP HPLC with fluorescence detection. LSD M125
		Aflatoxin B_1 0.5-50 µg/kg	In-house method. Extraction and IA column clean-up. Determination by RP HPLC with fluorescence detection. LSD M124
		Determination of Ochratoxin in liver 1.0-30 µg/kg	In house method using IA column clean-up and RP HPLC with fluorescence detection. LSD M126
		Determination of Patulin in fruit juices 10- 375 µg/kg	In house method by HPLC UV LSD M067

Scope of Accreditation

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Permanent Laboratory:

Category A

Chemical Testing Laboratory

INAB Classification number (P9) Materials/products tested		Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
752	**Residues in Food and Agriculture Materials**		In house LCMSMS method LSD M138
.05	Mycotoxins	Multi Analyte Determination of Mycotoxins in feed material and compound feed. Zearalenone 20 -1500 µg/kg T-2 Toxin 10 -1000 µg/kg HT-2 Toxin 50 - 1000 µg/kg Deoxynivalenol 200 - 12000 µg/kg Ochratoxin A 15 - 250 µg/kg Aflatoxin B_1 2.5 - 400 µg/kg Aflatoxin B_2 5 - 40 µg/kg Aflatoxin G_1 2.5 - 20 µg/kg Aflatoxin G_2 5 - 40 µg/kg Fumonisin B_1 100 - 9000 µg/kg Fumonisin B_2 100 - 2000 µg/kg	

Scope of Accreditation

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Permanent Laboratory:

Category A

Chemical Testing Laboratory

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**	Dioxins, Dioxin-like PCB's by GC/HRMS in Food and Feed	In-house GC/HRMS method LSD M252
.07	Polyhalogenated biphenyls	Non Dioxin-like PCBs (Indicator PCBs) Range: 50 – 25,000 ng/kg PCB-28 PCB-52 PCB-101 PCB-138 PCB-153 PCB-180 Dioxin-like PCBs (Mono-ortho PCBs) Range: 10 – 25,000 ng/kg PCB-105 PCB-114 PCB-118 PCB-123 PCB-156 PCB-157 PCB-167 PCB-189 Dioxin-like PCBs (Non-ortho PCBs) Range 0.05 - 100 ng/kg PCB-77 PCB-81 PCB-126 PCB-169	

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Permanent Laboratory:

Category A

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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**		
.23	Chlorinated dioxins (PCDDs) and dibenzofurans (PCDFs)	<u>Dioxins</u> <u>(Dibenzo-p-dioxins (PCDDs))</u> Range 0.05 - 10 ng/kg 2,3,7,8-TCDD 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD <u>(Dibenzofurans (PCDFs))</u> Range 0.05 - 10 ng/kg 2,3,7,8-TCDF 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	In-house GC/HRMS method LSD M252

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INAB Classification number (P9) Materials/products tested		Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
756	**Drugs and pharmaceuticals**	Identification (ID) and/or Quantification (Q) of Pharmaceutical samples*	
.01	Drugs *Pharmaceutical samples*	Range: 1 - 500ppm	In house HPLC-DAD method based on the requirements of Commission Decision 2002/657/EC, ICH guidelines Q2(R1) and Q6A, and British, European and US Pharmacopeia. LSDJ012 & LSDJ014
.02	Medicinal and veterinary preparations	List of accredited tests maintained by the laboratory.	
.03	Vitamins		
.04	Antibiotics		
.05	Hormones		
756	**Drugs and Pharmaceuticals**	Identification (ID) of pharmaceutical samples*	In house QTOF LCMS method based on the requirements of Commission Decision 2002/657/EC, ICH guidelines Q2 (R1) and Q6A, and British, European and US Pharmacopeia. LSD J044 & LSD J045
.01	Drugs Pharmaceutical samples	Range 1-500 ppm	
.02	Medicinal and Veterinary Preparations	List of accredited tests maintained by the laboratory.	
.03	Vitamins		
.04	Antibiotics		
.05	Hormones		

* Flexible scope: Additional analytes may be added and ranges extended in accordance with the laboratory's approved and documented procedures. For details refer to the laboratory's master list of flexible scope changes which is available from the laboratory.

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Permanent Laboratory:

Category A

Chemical Testing Laboratory

INAB Classification number (P9) Materials/products tested		Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
761	**Agricultural Products and Materials**		
.03	Stockfoods *Animal Feedingstuffs*	Crude Protein 3% - 50% m/m	EN ISO 16634-1:2008 Nitrogen content according to Dumas Principle LSDA032
		Crude Oils and Fats 2% - 32% m/m	EU Commission Regulation 152/2009 Annex III, H. LSDA023
		Crude Oils and Fats 1% - 25% m/m	LSDA031 NIR Spectoscopy
		Crude Ash 1% - 99% m/m	In house method based on EU Commission Regulation 152/2009 Annex III, M LSDA026

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Permanent Laboratory:
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Chemical Testing Laboratory

INAB Classification number (P9) Materials/products tested		Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
761	**Agricultural Products and Materials**		
.03	Stockfoods *Animal feedstuffs*	Crude Ash 1% - 99% m/m	Gravimetric using a Microwave Furnace LSDA030.
		Crude Fibre 2% - 40% m/m	In house method based on EU Commission Regulation 152/2009 Annex III, I LSDA024
		Crude Fibre Range 1.5% - 40% Screening Method	LSDA031 NIR Spectroscopy
		Moisture 1% - 80% m/m	In house method based on EU Commission Regulation 152/2009 Annex III, A LSDA027
		Ash insoluble in Hydrochloric Acid 0.03% – 7.0%m/m	In house method based on EU Commission Regulation 152/2009 Annex III, N LSDA034

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INAB Classification number (P9) Materials/products tested		Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
761	**Agricultural Products and Materials**	Determination at additive level of Nicarbazin Range 1-7000 mg/kg	In house HPLC method with Diode Array Detection based on IS EN 15782:2009 LSDA050
.03	Stockfoods *Animal Feedstuffs*	Determination at additive level of Monensin, Narasin, Salinomycin Range 10- 200,000 mg/kg	EN ISO 14183 : HPLC method using post column derivatisation. LSDA051
		Determination at additive level of Chlortetracycline Feed Range 70-600 mg/kg Premix Range 2 -20 %	In house HPLC method with Diode Array Detection LSD A072
		Determination at additive Sulphadiazine Range 50 - 820 mg/kg Premix Range 0.5 - 25 %	In house HPLC method with Diode Array Detection. LSD A076
		Determination of Theobromine Range 60 -800 mg/kg	In house HPLC UV/PDA method LSD A077

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INAB Classification number (P9) Materials/products tested		Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
761	**Agricultural Products and Materials**	Macro and Trace Elements	IS EN 15621:2012
.03	Stockfoods		LSDA060, LSDA064
	Animal Feedstuffs		ICP OES with Microwave Digestion
	Mineral Mixtures, Premixtures, Inorganic Feed Additives	Calcium 0.015% - 75% Sodium 0.08% - 50% Magnesium 0.01% - 75% Phosphorus 0.011% - 75% Manganese 0.03% - 50% Copper 0.004% - 75% Zinc 0.001% - 75% Cobalt 0.0006% - 50%	
	Compound Feed and Feed Material	Calcium 0.006% - 30% Sodium 0.011% - 20% Magnesium 0.004% - 30% Phosphorous 0.008% - 30% Manganese 0.0003% -20% Copper 0.0004% - 5% Zinc 0.0009% - 30%	
	Mineral Mixtures, Premixtures, Inorganic Feed Additives	Heavy Metals Arsenic 0.02 - 250 mg/kg Lead 0.7 - 50 mg/kg Cadmium 0.03 - 10 mg/kg Mercury 0.075 - 2 mg/kg Selenium 5 - 1000 mg/kg	LSD A062 ICPMS with Microwave Digestion

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INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
761 Agricultural Products and Materials .03 Stockfoods *Animal Feedstuffs, Compound Feed and Feed Materials*	Heavy metals Arsenic 0.007-250 mg/kg Lead 0.015 - 50 mg/kg Cadmium 0.2 - 10 mg/kg Mercury 0.075 - 2 mg/kg Cobalt 0.06 - 100 mg/kg Selenium 0.2 - 20 mg/kg	LSD A062 ICPMS with Microwave Digestion
761 Agricultural Products and Materials .03 Stockfoods *Animal Feedstuffs, Compound Feed and Feed Materials*	Trace elements, heavy metals and other elements Iron 6-1250mg/kg Molybdenum 0.165-5mg/kg Selenium 0.17-10mg/kg Cobalt 0.065-5mg/kg Cadmium 0.04-5mg/kg Mercury 0.05-1mg/kg Lead 0.125-50mg/kg Arsenic 0.125-40mg/kg Phosphorus 100-9000mg/kg Calcium 130-20,000mg/kg Sodium 100-15,000mg/kg Manganese 4 -200mg/kg Copper 3 -200mg/kg Zinc 50-3000mg/kg Magnesium 167-15,000mg/kg	LSD A067 In house method using ICPMS with Microwave digestion, based on a draft CEN method.

Scope of Accreditation

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Permanent Laboratory:
Category A

Chemical Testing Laboratory

INAB Classification number (P9) Materials/products tested		Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
761 .03	Agricultural Products and Materials Stockfoods *Animal Feedstuffs, Compound Feed and Feed Materials*	Iodine Range 0.08 - 20000 mg/kg	In house method using ICPMS, based on EN:15111(2007) LSD A066
761 .03	Agricultural Products and Materials Stockfoods *Animal Feedstuffs*	Fluoride Range 10 - 16,500 mg/kg	In house method using ion selective electrode LSD A099
761 .21	**Agricultural Products and Materials** Fertilisers	Nitrogen content according to the Dumas Principle 3% - 50 %	In house method based on AOAC official method 993.13 LSD A036

771 .01 .99	**Biological Monitoring** Blood alcohol Other Substances *Urine*	Ethanol 10 - 790 mg%	In house method. Determination by internal standard quantitation using Headspace Gas Chromatography with Flame Ionisation Detection. LSDT003

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INAB Classification number (P9) Materials/products tested		Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
771 .21	**Biological Monitoring** Drug and drug metabolites Animal Serum Eggs Honey Milk	A list of nitroimidazoles and chloramphenicol defined in the table in Annex 1	LSDV038 LSDV049 LSDV063 LSDV064 LCMSMS (In-house developed method)
771 .21	**Biological Monitoring** Drug and drug metabolites Animal urine Milk	A list of Corticosteroids defined in the table in Annex 2	LSDV058 LSDV078 LCMSMS (In-house developed method)
771 .21	**Biological Monitoring** Drug and drug metabolites Animal Plasma Milk Animal Kidney	A list of NSAIDs defined in the table in Annex 3	LSDV039 LSDV068 LCMSMS (In-house developed method)
771 .21	**Biological Monitoring** Drug and drug metabolites Kidney Fat	A list of Gestagens defined in the table in Annex 4	LSDV033 LCMSMS (In-house developed method)
771 .21	**Biological Monitoring** Drug and drug metabolites Urine Animal Serum Poultry Liver	A list of Steroids defined in the table in Annex 5	LSDV031 LSDV046 LSDV061 LCMSMS (In-house developed method)
771 .21	**Biological Monitoring** Drug and drug metabolites Animal Kidney	A list of Sedatives defined in the table in Annex 6	LSDV067 LCMSMS (In-house developed method)
771 .12	**Biological Monitoring** Agriculture chemical residues (Toxicants) Avian Liver	A list of toxicants defined in the table in Annex 7	LSD077 LCMSMS (In-house developed method)

Scope of Accreditation

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Chemical Testing Laboratory

Permanent Laboratory:

Category A

For all tests defined in annexes 1-7, method development and validation protocols are documented in: LSDV041, LSDV042, LSDV043, LSDV044.

Annex 1

Nitroimidazoles and Chloramphenicol

Analyte	Range in Animal Serum, ng/ml LSDV038	Range in Eggs, ng/g LSDV049	Range in Honey, ng/g LSDV063	Range in Milk, ng/ml LSDV064
Metronidazole	1.25-20	1.25-20	1.25-20	1.25-20
Metronidazole-OH	1.25-20	1.25-20	1.25-20	1.25-20
Ipronidazole	0.5-20	1.25-20	1.25-20	1.25-20
Ipronidazole-OH	0.5-20	1.25-20	1.25-20	1.25-20
HMMNI	1.25-20	2.5-20	2.5-20	2.5-20
Dimetridazole	1.25-20	2.5-20	2.5-20	2.5-20
Ronidazole	1.25-20	2.5-20	2.5-20	2.5-20
Chloramphenicol	0.25-2	0.25-2	0.25-2	0.25-2

Additional compounds, matrices and range extensions may be added in accordance with the laboratory's procedure for flexible scope. For details refer to the laboratory's master list of flexible scope changes which is available from the laboratory.

Annex 2

Corticosteroids

Analyte	Range in Animal Urine, ng/ml LSDV058	Range in Milk ng/ml LSDV078
Betamethasone	0.25-10	0.15-0.9
Dexamethasone	0.25-10	0.15-0.9
Flumethasone	0.25-10	0.3-1.8
6 Methyl Prednisolone	0.25-10	0.3-6
Prednisone	0.5-10	0.3-1.8
Prednisolone	-	0.3-18

Additional compounds, matrices and range extensions may be added in accordance with the laboratory's procedure for flexible scope. For details refer to the laboratory's master list of flexible scope changes which is available from the laboratory.

Scope of Accreditation

ISO 17025 INAB ACCREDITED TESTING DETAILED IN SCOPE REG NO. 146T

The State Laboratory

Permanent Laboratory:

Category A

Chemical Testing Laboratory

Annex 3

NSAIDs

Analyte	Range in Animal Plasma, ng/ml LSDV039	Range in Milk, ng/ml LSDV039	Range in Animal Kidney, ng/g LSDV068
Carprofen	2.5-20	2.5-20	5-4000
Diclofenac	2.5-20	0.05-4	5-20
Flunixin	2.5-20	20-80	5-240
Hydroxy-flunixin	2.5-20	20-80	
Mefenamic Acid	2.5-20	2.5-20	5-20
Meloxicam	1.25-20	7.5-30	2.5-260
Phenylbutazone	2.5-20	2.5-20	5-20
Tolfenamic Acid	1.25-20	20-80	5-260
Oxyphenbutazone	1.25-20	2.5-20	2.5-20
Flufenamic Acid	1.25-20	2.5-20	2.5-20
Naproxen		2.5-20	5-20
Niflumic Acid		2.5-20	2.5-20
4-Methylamino Antipyrine			2.5-400

Additional compounds, matrices and range extensions may be added in accordance with the laboratory's procedure for flexible scope. For details refer to the laboratory's master list of flexible scope changes which is available from the laboratory.

Annex 4

Gestagens

Analyte	Range in Kidney Fat, ng/ml LSDV033
Medroxyprogesterone Acetate	0.5-8
Chlormadinone Acetate	1.25-40
Delmadinone Acetate	1.25-40
Melengestrol Acetate	1.25-40
Megestrol Acetate	1.25-40

Additional compounds, matrices and range extensions may be added in accordance with the laboratory's procedure for flexible scope. For details refer to the laboratory's master list of flexible scope changes which is available from the laboratory.

Scope of Accreditation

The State Laboratory

Chemical Testing Laboratory

Permanent Laboratory:

Category A

Annex 5

Steroids

Analyte	Range in Animal Serum & Plasma, ng/ml LSDV046	Range in Urine, ng/ml LSDV031	Range in Poultry Liver, ng/g LSDV061
α Estradiol	0.04-2		
β Estradiol	0.04-2		
α Testosterone	0.2-10		
β Testosterone	0.2-10		
Medroxyprogesterone-17-acetate	0.2-10		
Progesterone	0.2-10		
α Boldenone		1-10	
β Boldenone		1-10	
Dienestrol	2-20	1-10	1-10
Diethylstilbestrol	2-20	1-10	1-10
Hexestrol	2-20	1-10	1-10
Methylboldenone		1-10	
Methyltestosterone	0.4-4	1-10	
α Nortestosterone	0.4-4	1-10	
β Nortestosterone	0.4-4	1-10	
16 Beta-OH Stanozolol		1-10	
Taleranol		1-10	
α Zearalenol		1-10	1-5
β Zearalenol		1-10	1-5
Zearalenone		1-10	1-5
Zeranol		1-10	
α Trenbolone	0.4-4	2-10	2-20
β Trenbolone	0.4-4	2-10	2-20
α Zearalanol			1-5
β Zearalanol			1-5
Zearalanone			1-10
Ethynyl Estradiol		1-10	

Additional compounds, matrices and range extensions may be added in accordance with the laboratory's procedure for flexible scope. For details refer to the laboratory's master list of flexible scope changes which is available from the laboratory.

Scope of Accreditation

The State Laboratory

Chemical Testing Laboratory

Permanent Laboratory:

Category A

Annex 6

Sedatives

Analyte	**Range in Animal Kidney, ng/g** **LSDV067**
Azaperol	2.5-125
Azaperone	2.5-125
Carazolol	2.5-62.5
Chlorpromazine	2.5-50
Acetopromazine	2.5-50
Propionylpromazine	2.5-50
Haloperidol	2.5-50
Xylazine	2.5-50

Additional compounds, matrices and range extensions may be added in accordance with the laboratory's procedure for flexible scope. For details refer to the laboratory's master list of flexible scope changes which is available from the laboratory.

Scope of Accreditation

The State Laboratory

Chemical Testing Laboratory

Permanent Laboratory:

Category A

Annex 7

Toxicants

Analyte	**Range in Animal Liver, ng/g** **LSD V077**
Brodifacoum	15 – 150 ng/g
Bromadiolone	15 - 150 ng/g
Carbofuran	30 - 300 ng/g
α-Chloralose	60 – 600 ng/g
ß-Chloralose	60 – 600 ng/g
Chlorophacinone	15 – 150 ng/g
Coumatetralyl	15 - 150 ng/g
Diclofenac	60 – 600 ng/g
Dicumarol	60 - 600 ng/g
Difenacoum	15 – 150 ng/g
Difethialone	30 - 300 ng/g
Diphacinone	15 – 150 ng/g
Flocoumafen	15 – 150 ng/g
Flunixin	30 – 300 ng/g
Meloxicam	60 – 100 ng/g
Methiocarb	30 - 300 ng/g
Methiocarb Sulfoxide	30 - 300 ng/g
Nitroxynil	30 - 300 ng/g
Strychnine	60 – 600 ng/g
Warfarin	15 -150 ng/g

Additional compounds, matrices and range extensions may be added in accordance with the laboratory's procedure for flexible scope. For details refer to the laboratory's master list of flexible scope changes which is available from the laboratory.