



Eurofins ELS

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Programme

MPI Recognised Laboratory Programme

Accreditation Number 1140

Initial Accreditation Date 3 December 2015

Conformance Standard

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

Animal Products Notice: Recognised Laboratories

Animal Products Regulations 2021

Laboratory Services Summary

Microbiological testing
Chemical testing
MPI Monitoring and Surveillance

Operations Manager
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Microbiological testing

Potable water for the meat, poultry, egg and honey industries

In accordance with MIMM: Microbiological Methods for the Meat Industry (5th Edition), except where otherwise indicated.

1.1.1	Total coliforms, <i>Escherichia coli</i>	11 Appendix 1
	Total coliforms, <i>Escherichia coli</i>	APHA 9222K
1.2	Faecal coliforms	11.4
1.3	Colony count 22 °C	11.6 SPC
1.6.1	<i>Clostridium perfringens</i> (including spores)	11.A3

Microbiological and Parasitology testing

Meat and meat products, poultry, eggs and environment samples, all seafood, tallows fats and oils, pet food and animal feeds, blood and blood products

In accordance with MIMM: Microbiological Methods for the Meat Industry (5th Edition) and the following Ministry for Primary Industries Animal Products Notice: National Microbiological Database Programme, except where otherwise indicated.

- Farmed Animals; Bovine, Ovine, Bobby calves
- Caprine, Cervine
- Poultry
- Porcine

2.1.1	Aerobic Plate Count (APC)	MIMM 6
2.1.2	APC spread plate	NMD 3.21.5 with sampling NMD 3
2.1.3	APC Petrifilm	NMD 3.21.6 with sampling NMD 3
2.1.5	APC	China OMAR
2.2.1	<i>Escherichia coli</i> direct plate	MIMM 8.4
	<i>Escherichia coli</i> Petrifilm	MIMM 8.4
2.2.2	<i>Escherichia coli</i> Petrifilm	NMD 3.22 with sampling NMD 3
2.3	<i>Staphylococcus aureus</i>	MIMM 7.8
2.4.1	Salmonella	MIMM 7.7
	Salmonella	BACGene

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2.4.2	Salmonella	ISO 6579-1:2017 as per EU OMAR/Amendment 1:2020
2.4.3	Salmonella	NMD 3.23 with sampling NMD 3
2.4.3	Salmonella (poultry)	NMD 4.14 with sampling NMD 4
2.6	<i>Listeria monocytogenes</i>	BACGene
2.8	<i>Clostridium perfringens</i>	MIMM 7.10
2.9	Enterobacteriaceae	MIMM 8.2
22.1	Campylobacter	NMD 4.13 with sampling NMD 4
23.1	<i>Escherichia coli</i> O157	US OMAR
23.3	Top 7 Shiga Toxin-Producing <i>Escherichia coli</i> (N60 and Cloth sampling)	US OMAR

Microbiological testing

Dairy products

30.5	APC (raw milk)	AOAC 986.33 (modified)
30.6	Coliforms (total) (raw milk)	AOAC 991.14
31.1	APC, Standard Plate Count (SPC), Total Plate Count (TPC)	AOAC 986.33 (modified)
31.2	<i>Bacillus cereus</i>	ISO 7932:2004 / Amendment 1:2020
31.6	Coliforms count	AOAC 991.14
31.7	<i>Escherichia coli</i>	AOAC 991.14
31.8	Enterobacteriaceae	ISO 21528-2: 2017
31.10	<i>Listeria monocytogenes</i> <i>Listeria monocytogenes</i>	BACGene ISO 11290-1:2017
31.12	Salmonella (detection)	BACGene
31.14	<i>Staphylococcus aureus</i> (<i>Staphylococcus</i> , coagulase positive)	ISO 6888-1:021 / Amd 1:2023
31.16	Yeasts and moulds	ISO 6611 / IDF 94:2004

Chemical testing

Meat and meat products, pet food and animal feed, and fish including vitamins, minerals and other nutrients

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In accordance with the AOAC International (most recent edition), except where otherwise indicated.

6.18 Iodine ICP-MS/ BS/EN 15111 (modified)

Gelatine & collagen

9.08 Arsenic In-house by ICP-MS

9.09 Lead In-house by ICP-MS
Lead In-house by ICP-OES

9.11 Chromium In-house by ICP-MS
Chromium In-house by ICP-OES

9.13 Zinc In-house by ICP-MS
Zinc In-house by ICP-OES

9.18 Cadmium In-house by ICP-MS

Seafood & seawater

In accordance with APHA Standards Methods for the Examination of Water and Wastewater (24th Edition), except where otherwise indicated.

11.5.7 Heavy metals In-house digestion / 3125 B

11.6.6 Heavy metals In-house digestion / 3125 B

Dairy Products (milk powder)

8.43 Dicyandiamide (DCD) In-house by LC-MS/MS

Potable water for meat and game premises

In accordance with APHA Standards Methods for the Examination of Water and Wastewater (24th Edition), except where otherwise indicated.

5.01 Colour 2120 C (modified)
Colour @ 270 nm (calculation) In-house

5.02 Conductivity 2510 B

5.03 pH (hydrogen ion concentration) 4500-H B

5.04 Turbidity 2130 B

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5.10	Ammoniacal nitrogen (ammonium) Ammoniacal nitrogen (ammonium)	4500-NH ₃ H (modified) 4500-NH ₃ H
5.11	Chloride Chloride	4500-Cl B 4110 B
5.12	Fluoride Fluoride	4500-F D 4110 B
5.13	Nitrate Nitrate	4500-NO ₃ I (FIA) 4110 B
5.14	Nitrite	4500-NO ₂ B (automated FIA)
5.16	Sulphate	4110 B
5.17	Aluminium Aluminium	In-house based on 3120 B (ICP-OES) In-house based on 3125 B (ICP-MS)
5.18	Arsenic	In-house based on 3125 B (ICP-MS)
5.19	Boron Boron	In-house based on 3120 B (ICP-OES) In-house based on 3125 B (ICP-MS)
5.20	Cadmium	In-house based on 3125 B (ICP-MS)
5.22	Chromium Chromium	In-house based on 3120 B (ICP-OES) In-house based on 3125 B (ICP-MS)
5.23	Copper Copper	In-house based on 3120 B (ICP-OES) In-house based on 3125 B (ICP-MS)
5.24	Cyanide	4500-CN C & E
5.25	Iron Iron	In-house based on 3120 B (ICP-OES) In-house based on 3125 B (ICP-MS)
5.26	Lead Lead	In-house based on 3120 B (ICP-OES) In-house based on 3125 B (ICP-MS)
5.28	Manganese Manganese	In-house based on 3120 B (ICP-OES) In-house based on 3125 B (ICP-MS)
5.29	Mercury	In-house based on 3125 B (ICP-MS)
5.31	Sodium Sodium	In-house based on 3120 B (ICP-OES) In-house based on 3125 B (ICP-MS)
5.32	Selenium Selenium	In-house based on 3120 B (ICP-OES) In-house based on 3125 B (ICP-MS)
5.35	Polynuclear aromatic hydrocarbons (PAH)	In-house (EPA 525.2 LLEGCMS)
5.36.1	Acid herbicides • 2,4,5-T • 2,4-D • 2,4-DB	In-house by LC-MS/MS

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- Dichlorprop
- Fenoprop
- MCPA
- Mecoprop
- Pentachlorophenol
- Pichloram
- Triclopyr

5.36.2 Chlorotoluron, diuron, thiabendazole In-house (EPA 525.2 LLEGCMS)

5.36.3 Semi-Volatile Organic Compounds (SVOC) In-house (EPA 525.2 LLEGCMS)

- Alachlor
- Aldicarb
- Aldrin + Dieldrin
- Atrazine
- Azinphos methyl
- Benzo(a)pyrene
- Bromacil
- Carbofuran
- Chlordane
- Chlorpyrifos
- Cyanazine
- DDT + isomers
- Dimethoate
- Endrin
- Heptachlor + heptachlor epoxide
- Hexachlorobenzene
- Hexazinone
- Isoproturon
- Lindane
- Metalaxyl
- Methoxychlor
- Metolachlor
- Metribuzin
- Molinate
- Oryzalin
- Oxidiazon
- Pendimethalin
- Pirimiphos-methyl
- Primisulfuron-methyl
- Procymidone
- Propazine
- Pyriproxifen
- Simazine
- Terbacil
- Terbutylazine

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	• Trifluralin	
5.36.4	Fluoroacetate/1080	In-house (LC-MS/MS)
5.39	Volatile Organic Compounds (VOC)	In-house (SHS GC-MS)
	• 1,2-dichloroethane	
	• 1,2-dibromo-3-chloropropane	
	• 1,2-dibromoethane	
	• 1,2-dichloropropane	
	• 1,3-dichloropropene, cis	
	• 1,3-dichloropropene, trans	
	• Benzene	
	• Epichlorohydrin	In-house (GC-MS/MS)
	• Tetrachloroethane and trichloroethane	
	• Vinyl chloride	
5.40	Trihalomethanes	In-house (SHS GC-MS)
5.42	Total Organic Carbon (TOC)	5310 B
5.43	Acrylamide	EPA 8032A (modified) (GC-MS/MS)
5.44	Antimony	In-house based on 3125 B (ICP-MS)
5.45	Bromate	4110 D
5.46	Nickel	In-house based on 3120 B (ICP-OES)
	Nickel	In-house based on 3125 B (ICP-MS)

MPI Monitoring and Surveillance

Testing carried out for the purposes of Part 8 of the Animal Products Regulations 2021

Mammals, birds, fish, honey and dairy – Chemical residue testing

8.20	Heavy metals & Chemical elements (Honey)	In-house by ICP-MS
	Heavy metals & Chemical elements (Honey)	In-house by ICP-OES

References:

AOAC	AOAC International
APHA	Standard Methods for the Examination of Waters and Wastewater
BS/EN	British Standard
EPA	Environmental Protection Agency
IDF	International Dairy Federation
ISO	International Organisation for Standardization

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