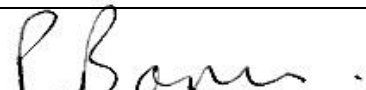


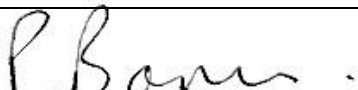
Laboratory Accreditation Programmes

Schedule to	
CERTIFICATE OF ACCREDITATION	
Eurofins ELS Wellington	Client No. 1701
PO Box 36105, Wellington Mail Centre, Lower Hutt, 5045 85 Port Rd, Seaview, Lower Hutt, 5010	
Telephone 04 576-5016	www.eurofins.co.nz
Authorised Representative Mr Rob Deacon General Manager - Environmental	
Programme MPI Recognised Laboratory Programme	
Accreditation Number 1140	Initial Accreditation Date 3 December 2015
Conformance Standard NZS ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories Animal Products Notice – Specifications for Laboratories	
Testing Services Summary Meat & Poultry Industry Potable Water Microbiology Meat & Meat Product, Poultry & Honey Microbiology/Parasitology Potable Water - Physico-Chemical Parameters Animal Products - Chemical Residue Testing (NRCP & NCCP) Gelatine For Human Food Seafood Products and Water Dairy (Raw Milk) Dairy Products - Microbiology	
Key Technical Personnel	
Ms Mary-Lou Cabral	5.01, 5.02, 5.03, 5.04
Mr Wayne Edgerley	5.01, 5.02, 5.03, 5.04, 5.10, 5.11, 5.12, 5.13, 5.14, 5.16, 5.17, 5.18, 5.19, 5.20, 5.22, 5.23, 5.24, 5.25, 5.26, 5.28, 5.29, 5.31, 5.32, 5.44, 5.45, 5.46, 8.20, 9.08, 9.09, 9.11, 9.13, 9.18, 11.5.7, 11.6.6
Mrs Ganeswary Ilancko	5.35, 5.36.1, 5.36.2, 5.36.3, 5.39, 5.40, 5.43, 8.17, 8.18, 8.21

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Mr Amitesh Kumar	5.11, 5.12, 5.13, 5.16, 5.45
Mr Shanel Kumar	5.11, 5.12, 5.13, 5.16, 5.17, 5.18, 5.19, 5.20, 5.22, 5.23, 5.25, 5.26, 5.28, 5.29, 5.31, 5.32, 5.44, 5.45, 5.46, 8.20, 9.08, 9.09, 9.11, 9.13, 9.18, 11.5.7, 11.6.6
Mrs Divina Lagazon	5.10, 5.13, 5.14, 5.24
Mr Gordon McArthur	5.01, 5.02, 5.03, 5.04, 5.10
Ms Jennifer Mont	5.01, 5.02, 5.03, 5.04
Ms Tracy Morrison-Judd	5.10, 5.13, 5.14, 5.17, 5.18, 5.19, 5.20, 5.22, 5.23, 5.24, 5.25, 5.26, 5.28, 5.29, 5.31, 5.32, 5.42, 5.44, 5.46, 8.20, 9.08, 9.09, 9.11, 9.13, 9.18, 11.5.7, 11.6.6
Mrs Maria Norris	1.1.1, 1.2, 1.3, 1.6.1, 1.8, 2.1.1, 2.1.2, 2.1.3, 2.1.5, 2.2.1, 2.2.2, 2.3, 2.4.1, 2.4.2, 2.4.3, 2.6, 2.8, 2.9, 22.1, 23.1, 23.3, 11.1.1, 11.1.2, 30.5, 30.6, 31.1, 31.2, 31.6, 31.7, 31.8, 31.10, 31.12, 31.14, 31.16
Mrs Sunita Raju	1.1.1, 1.2, 1.3, 1.6.1, 1.8, 2.1.1, 2.1.2, 2.1.3, 2.1.5, 2.2.1, 2.2.2, 2.3, 2.4.1, 2.4.2, 2.4.3, 2.6, 2.8, 2.9, 22.1, 23.1, 23.3, 11.1.1, 11.1.2, 31.1, 31.2, 30.5, 30.6, 31.6, 31.7, 31.8, 31.10, 31.12, 31.14, 31.16
Mrs Pathma Ranjanie	1.1.1, 1.2, 1.3, 1.6.1, 1.8, 2.1.1, 2.1.2, 2.1.3, 2.1.5, 2.2.1, 2.2.2, 2.3, 2.4.1, 2.4.2, 2.4.3, 2.6, 2.8, 2.9, 22.1, 11.1.1, 11.1.2, 30.5, 30.6, 31.1, 31.2, 31.6, 31.7, 31.8, 31.10, 31.14, 31.16
Dr Alan Stanley	5.35, 5.36.1, 5.36.2, 5.36.3, 5.39, 5.40, 5.43, 8.17, 8.18, 8.21
Mrs Sharon van Soest	5.17, 5.18, 5.19, 5.20, 5.22, 5.23, 5.25, 5.26, 5.28, 5.29, 5.31, 5.32, 5.42, 5.44, 5.46, 8.20, 9.08, 9.09, 9.11, 9.13, 9.18, 11.5.7, 11.6.6
Ms Joanna Yang	5.35, 5.36.1, 5.36.2, 5.36.3, 5.39, 5.40, 5.43, 8.17, 8.18, 8.21
Mrs Yuemei Yu	1.1.1, 1.2, 1.3, 1.6.1, 1.8, 2.1.1, 2.1.2, 2.1.3, 2.1.5, 2.2.1, 2.2.2, 2.3, 2.4.1, 2.4.2, 2.4.3, 2.6, 2.8, 2.9, 22.1, 23.1, 23.3, 11.1.1, 11.1.2, 30.5, 30.6, 31.1, 31.2, 31.6, 31.7, 31.8, 31.10, 31.14, 31.16

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Eurofins ELS
MPI Recognised Laboratory Programme
SCOPE OF ACCREDITATION

Accreditation Number 1140

The MPI Recognised Laboratory Programme commenced in 2015, replacing prior regulatory recognition/approval schemes for testing laboratories under the Animal Products Act. This accreditation replaces previously held accreditations by this laboratory in the following IANZ Laboratory Accreditation Programmes called up under the Animal Products Act.

IANZ Laboratory Accreditation Programme	Accreditation Number	Date of Initial Accreditation
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Dairy Testing Laboratory	657	01/09/1997
MPI Laboratory Approval Scheme	905	07/04/2004

Meat & Poultry Industry Potable Water Microbiology

In accordance with MIMM: Microbiological Methods for the Meat Industry (5th Edition)

1.1.1	Total coliforms / <i>Escherichia coli</i>	11.A1.1
1.2	Faecal coliforms	11.4 mFC MF
1.3	Standard plate count (22 °C/72hr)	11.6
1.6.1	<i>Clostridium perfringens</i>	11.A3
1.8	<i>Escherichia coli</i>	11.A1.1

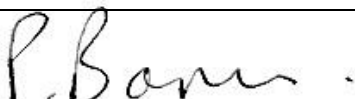
Meat & Meat Product, Poultry & Honey Microbiology/Parasitology

In accordance with MIMM: Microbiological Methods for the Meat Industry (5th Edition) and the Ministry for Primary Industries Animal Products (National Microbiological Database Specifications) Notice 2015 Schedule 1

- Farmed Animals; Bovine, Ovine, Bobby calves
- Caprine, Cervine
- Poultry (Broilers only)
- Porcine

2.1.1	Aerobic Plate Count	MIMM 6
2.1.2	Aerobic Plate Count spread plate	NMD 3.15.4 with sampling NMD 3
2.1.3	Aerobic Plate Count Petrifilm	NMD 3.15.5 with sampling NMD 3
2.1.5	Aerobic Plate Count	China OMAR 09/35 / MIMM 6
2.2.1	<i>Escherichia coli</i>	MIMM 8.4
2.2.2	<i>Escherichia coli</i> , Petrifilm	NMD 3.16 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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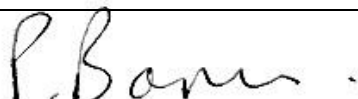
2.4.2	Salmonella	ISO 6579-1:2017
2.4.3	Salmonella	NMD 3.17 with sampling NMD 3
	Salmonella	NMD 4.11 with sampling NMD 4
2.6	<i>Listeria monocytogenes</i>	BACGene
	<i>Listeria monocytogenes</i>	MIMM 7.5
	<i>Listeria monocytogenes</i>	3M MDS
2.8	<i>Clostridium perfringens</i>	MIMM 7.10
2.9	Enterobacteriaceae	MIMM 8.2
22.1	Campylobacter	NMD 4.10 with sampling NMD 4
23.1	<i>Escherichia coli</i> O157:H7	Biocontrol Assurance GDS <i>E. coli</i> O157:H7 screen test
23.3	Top 7 Shiga Toxin-Producing <i>Escherichia coli</i>	Biocontrol Assurance GDS MPX Top 7 (US OMAR)

Potable Water - Physico-Chemical Parameters

In accordance with APHA Standards Methods for the Examination of Water and Wastewater (Online Edition)

5.01	Colour	2120 B
5.02	Conductivity	2510 B
5.03	pH (hydrogen ion concentration)	4500-H B
5.04	Turbidity	2130 B
5.10	Ammoniacal nitrogen (ammonium)	4500-NH ₃ H (modified)
5.11	Chloride	4500-Cl B
	Chloride	4110 B
5.12	Fluoride	4500-F D
	Fluoride	4110 B
5.13	Nitrate	4500-NO ₃ F
	Nitrate	4110 B
	Nitrate	NWASCO 38
5.14	Nitrite	4500-NO ₂ A (automated)
5.16	Sulphate	4110 B
5.17	Aluminium	3120 B
	Aluminium	In-house (ICP-MS)
5.18	Arsenic	3120 B
	Arsenic	In-house (ICP-MS)
5.19	Boron	3120 B

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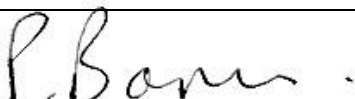
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	Boron	In-house (ICP-MS)
5.20	Cadmium	3120 B
	Cadmium	In-house (ICP-MS)
5.22	Chromium	3120 B
	Chromium	In-house (ICP-MS)
5.23	Copper	3120 B
	Copper	In-house (ICP-MS)
5.24	Cyanide	4500-CN'C
	Cyanide	4500-CN'E
5.25	Iron	3120 B
	Iron	In-house (ICP-MS)
5.26	Lead	3120 B
	Lead	In-house (ICP-MS)
5.28	Manganese	3120 B
	Manganese	In-house (ICP-MS)
5.29	Mercury	In-house (ICP-MS)
5.31	Sodium	3120 B
	Sodium	In-house (ICP-MS)
5.32	Selenium	3120 B
	Selenium	In-house (ICP-MS)
5.35	Polynuclear aromatic hydrocarbons (PAH)	In-house (EPA 512.2 LLEGCMS)
5.36.1	Acid herbicides	In-house by LC-MS/MS
	<ul style="list-style-type: none"> • 2,4,5-T • 2,4-D • 2,4-DB • Bentazone • Dichlorprop • Fenoprop • MCPA • Mecoprop • Pentachlorophenol • Pichloram • Triclopyr 	
5.36.2	Chlorotoluron, Diuron, Thiabendazole	In-house (EPA 512.2 LLEGCMS)
5.36.3	Semi-Volatile Organic Compounds (SVOCs)	In-house (EPA 512.2 LLEGCMS)
	<ul style="list-style-type: none"> • Benzo(a)pyrene • Alachlor • Aldicarb • Aldrin + Dieldrin • Atrazine 	

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- Azinphos methyl
- Bromacil
- Carbofuran
- Chlordane
- Chlorpyrifos
- Cyanazine
- DDT + isomers
- Dimethoate
- Endrin
- Heptachlor + heptachlor epoxide
- Hexachlorobenzene
- Hexazinone
- Isoproturon
- Lindane
- Metalaxyl
- Methoxychlor
- Metachlor
- Metribuzin
- Molinate
- Oryzalin
- Oxidiazon
- Pendimethalin
- Pirimiphos methyl
- Pirimisulfuron methyl
- Procymidone
- Propazine
- Pyriproxifen
- Simazine
- Terbacil
- Terbutylazine
- Trifluralin

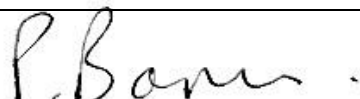
5.39 Volatile Organic Compounds (VOC) In-house (SHS GC-MS)

- Benzene
- 1,2-dichloroethane
- Tetrachloroethane and trichloroethane
- Vinyl chloride
- 1,2-dibromo-3-chloropropane
- 1,2-dibromoethane
- 1,2-dichloropropane
- 1,3-dichloropropene, cis
- 1,3-dichloropropene, trans
- Epichlorohydrin

In-house (GC-MS/MS)

5.40 Trihalomethanes In-house (SHS GC-MS)

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5.42	Total Organic Carbon (TOC)	5310 B
5.43	Acrylamide	EPA 8032A (modified) (GC-MS/MS)
5.44	Antimony	In-house (ICP-MS)
5.45	Bromate	4110 D
5.46	Nickel	3120 B
	Nickel	In-house (ICP-MS)

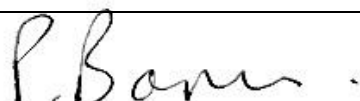
Animal Products - Chemical Residue Testing (NRCP & NCCP)

8.17	Synthetic pyrethroids and carbamate pesticides	In-house method based on AOAC 2007.1 by GC-MS/MS
	Synthetic pyrethroids and carbamate pesticides	In-house method based on AOAC 2007.1 by LC-MS/MS
8.18	Organophosphates	In-house method based on AOAC 2007.1 by GC-MS/MS
	Organophosphates	In-house method based on AOAC 2007.1 by LC-MS/MS
8.20	Heavy metals & Chemical Elements	In-house by ICP-MS
	Heavy metals & Chemical Elements	In-house by ICP-OES
8.21	Organochlorines	In-house method based on AOAC 2007.1 by GC-MS/MS
	Organochlorines	In-house method based on AOAC 2007.1 by LC-MS/MS

Gelatine for Human Food

9.08	Arsenic	In-house by ICP-MS
	Arsenic	In-house by ICP-OES
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
	Cadmium	In-house by ICP-OES

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Seafood Products and Water

In accordance with APHA Standard Methods for the Examination of Waters and Wastewater (Online Edition)

11.1.1	Faecal coliforms	9222B
11.1.2	Total coliforms / <i>Escherichia coli</i>	9222D
11.5.7	Heavy metals	in-house digestion / 3125B
11.6.6	Heavy metals	in-house digestion / 3125B

Dairy (Raw Milk)

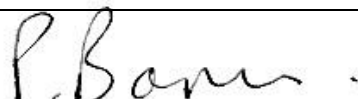
30.5	Aerobic Plate Count Aerobic Plate Count	AOAC 986.33 (modified) ISO 4833:2003
30.6	Total coliforms Total coliforms	AOAC 991.14 ISO 4831:2006

Dairy Products – Microbiology

(milk, milk powders, cheese, whey products, cultured products, dairy foods)

31.1	Aerobic Plate Count (30°C) Aerobic Plate Count	AOAC 986.33 (modified) ISO 4833:2003
31.2	<i>Bacillus cereus</i> Presumptive	ISO 7932:2004
31.6	Coliforms Coliforms (count)	AOAC 991.14 ISO 4831:2006
31.7	<i>Escherichia coli</i> <i>Escherichia coli</i> Presumptive	AOAC 991.14 ISO 11866-1 / IDF 170-1:2005
31.8	Enterobacteriaceae	ISO 21528-2:2004
31.10	<i>Listeria monocytogenes</i> <i>Listeria monocytogenes</i> <i>Listeria monocytogenes</i> <i>Listeria monocytogenes</i>	BACGene FDA BAM 2003, Ch.10 ISO 11290-1:1996 3M MDS
31.12	Salmonella Salmonella (detection)	BACGene ISO 6875 / IDF 93:2001
31.14	Coagulase positive <i>Staphylococcus aureus</i>	ISO 6888-1:1999
31.16	Yeasts and moulds	ISO 6611 / IDF 94:2004

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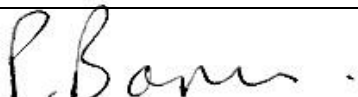
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Accreditation Number 1140

References:

AOAC American Organisation for Analytical Chemistry
APHA Standard Methods for the Examination of Waters and Wastewater
ASTM American Society for Testing and Materials Standards
EPA Environmental Protection Agency
FDA BAM FDA Bacteriological Analytical Manual
IDF International Dairy Federation
ISO International Organisation for Standardisation
NWASCO National Water and Soil Conservation Organisation

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