



**Hill Laboratories**

Christchurch

**Client Number 6706**

PO Box 16607, Hornby, Christchurch, 8441  
1/17 Print Place, Middleton, Christchurch, 8024

**Telephone 0508 445-5522**

**www.hill-laboratories.com**

**Authorised Representative**

Mrs Debra McLachlan  
SI Quality Assurance and Health and Safety Coordinator

**Programme**

MPI Recognised Laboratory Programme

**Accreditation Number 1138**

**Initial Accreditation Date 2 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**

Potable/Suitable Water for Meat, Poultry, Egg and Honey Industry Microbiology  
Meat and Meat Product, Poultry, Petfood, Egg and Egg Product & Honey Microbiology /  
Parasitology  
Potable/Suitable Water – Physico-Chemical Parameters  
Seafood Products and Potable/Suitable Water  
Dairy Products – Microbiology

**Key Technical Personnel**

Ms Karyn Addison

5.01, 5.02, 5.03, 5.04

Miss Carla Cuba Bejarano

1.1.1, 1.2, 1.3, 1.6.1, 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, 11.1.1, 11.1.2, 11.2.1, 11.2.3, 11.3.1, 11.3.3, 11.4.1, 11.5.3, 11.5.4,  
11.5.6, 11.5.10, 11.5.11, 11.5.12, 11.6.1, 11.6.2, 11.6.3, 11.6.4, 11.6.7, 11.6.8,  
11.6.9, 11.8.1, 11.8.2, 11.8.5, 11.8.6, 22.1, 23.1, 23.3, 23.4, 30.5, 30.6, 31.1, 31.2,  
31.6, 31.7, 31.8, 31.10, 31.12, 31.14, 31.16, 31.17

Ms Lisa Bullock

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**CERTIFICATE OF ACCREDITATION**



Mrs Marisa Fonseca	1.1.1, 1.2, 1.3, 1.6.1, 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, 11.1.1, 11.1.2, 11.2.1, 11.2.3, 11.3.1, 11.3.3, 11.4.1, 11.5.3, 11.5.4, 11.5.6, 11.5.10, 11.5.11, 11.5.12, 11.6.1, 11.6.2, 11.6.3, 11.6.4, 11.6.7, 11.6.8, 11.6.9, 11.8.1, 11.8.2, 11.8.5, 11.8.6, 23.1, 23.3, 23.4, 30.5, 30.6, 31.1, 31.2, 31.6, 31.7, 31.8, 31.10, 31.12, 31.14, 31.16, 31.17
Mrs Yu (Dominique) Gao	1.1.1, 1.2, 1.3, 1.6.1, 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, 11.1.1, 11.1.2, 11.2.1, 11.2.3, 11.3.1, 11.3.3, 11.4.1, 11.5.3, 11.5.4, 11.5.6, 11.5.10, 11.5.11, 11.5.12, 11.6.1, 11.6.2, 11.6.3, 11.6.4, 11.6.7, 11.6.8, 11.6.9, 11.8.1, 11.8.2, 11.8.5, 11.8.6, 22.1, 23.1, 23.3, 23.4, 30.5, 30.6, 31.1, 31.2, 31.6, 31.7, 31.8, 31.10, 31.12, 31.14, 31.16, 31.17
Mrs Renee Kellerhals	1.1.1, 1.2, 1.3, 1.6.1, 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, 11.1.1, 11.1.2, 11.2.1, 11.2.3, 11.3.1, 11.3.3, 11.4.1, 11.5.3, 11.5.4, 11.5.6, 11.5.10, 11.5.11, 11.5.12, 11.6.1, 11.6.2, 11.6.3, 11.6.4, 11.6.7, 11.6.8, 11.6.9, 11.8.1, 11.8.2, 11.8.5, 11.8.6, 22.1, 23.1, 23.3, 23.4, 30.5, 30.6, 31.1, 31.2, 31.6, 31.7, 31.8, 31.10, 31.12, 31.14, 31.16, 31.17
Miss Jill Martin	1.1.1, 1.2, 1.3, 1.6.1, 11.1.1, 11.1.2, 11.2.1, 11.2.3, 11.3.1, 11.3.3, 11.4.1
Ms Barbara Müller	1.1.1, 1.2, 1.3, 1.6.1, 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, 11.1.1, 11.1.2, 11.2.1, 11.2.3, 11.3.1, 11.3.3, 11.4.1, 11.5.3, 11.5.4, 11.5.6, 11.5.10, 11.5.11, 11.5.12, 11.6.1, 11.6.2, 11.6.3, 11.6.4, 11.6.7, 11.6.8, 11.6.9, 11.8.1, 11.8.2, 11.8.5, 11.8.6, 22.1, 23.1, 23.3, 23.4, 30.5, 30.6, 31.1, 31.2, 31.6, 31.7, 31.8, 31.10, 31.12, 31.14, 31.16, 31.17
Miss Xiaozheng (Nadia) Ni	5.01, 5.02, 5.03, 5.04
Ms Paula Robson	1.1.1, 1.2, 1.3, 1.6.1, 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, 11.1.1, 11.1.2, 11.2.1, 11.2.3, 11.3.1, 11.3.3, 11.4.1, 11.5.3, 11.5.4, 11.5.6, 11.5.10, 11.5.11, 11.5.12, 11.6.1, 11.6.2, 11.6.3, 11.6.4, 11.6.7, 11.6.8, 11.6.9, 11.8.1, 11.8.2, 11.8.5, 11.8.6, 22.1, 23.1, 23.3, 23.4, 30.5, 30.6, 31.1, 31.2, 31.6, 31.7, 31.8, 31.10, 31.12, 31.14, 31.16, 31.17
Mrs Irina Zinoveva	5.01, 5.02, 5.03, 5.04

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**SCOPE OF ACCREDITATION**

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	PCR (In-house)
2.4.2	Salmonella	ISO 6579-1:2017 / Amendment 1:2020
2.4.3	Salmonella	NMD 3.23 with sampling NMD 3
2.6	<i>Listeria monocytogenes</i>	PCR (In-house)
2.8	<i>Clostridium perfringens</i>	MIMM 7.10
2.9	Enterobacteriaceae	MIMM 8.2
23.1	<i>Escherichia coli</i> O157:H7	US OMAR
23.3	Top 7 Shiga Toxin-Producing <i>Escherichia coli</i>	US OMAR
23.4	Top 7 Shiga toxin producing <i>Escherichia coli</i> Molecular confirmation	US OMAR (preparation of DNA sample only)
• Poultry		
2.4.3	<i>Salmonella</i> (detection)	NMD 4.14 with sampling NMD 4
22.1	<i>Campylobacter</i>	NMD 4.13 with sampling NMD 4
	<i>Campylobacter</i> (confirmation only)	MIMM 7.3

**Potable/Suitable Water – Physico-Chemical Parameters**

In accordance with APHA “Standards Methods for the Examination of Water and Wastewater” Online Edition.

5.01	Colour	2120 C (modified)
5.02	Conductivity	2510 B
5.03	pH (hydrogen ion concentration)	4500-H <sup>+</sup> B (modified)
5.04	Turbidity	2130 B (modified)

**Seafood Products and Potable/Suitable Water**

In accordance with APHA “Standard Methods for the Examination of Water and Wastewater” Online Edition unless otherwise stated.

11.1.1	Faecal coliforms	9221E
	Faecal coliforms	APHA 9222 D
11.1.2	Total coliforms (coliform bacteria) <i>Escherichia coli</i>	MIMM 11 Appendix 1
	Total coliforms (coliform bacteria) <i>Escherichia coli</i>	9221B

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	Total coliforms (coliform bacteria) <i>Escherichia coli</i>	9221F
11.2.1	Faecal coliforms	APHA 9221E
	Faecal coliforms	APHA 9222 D
11.2.3	Total coliforms (coliform bacteria) <i>Escherichia coli</i>	MIMM 11 Appendix 1
	Total coliforms (coliform bacteria) <i>Escherichia coli</i>	APHA 9221B
	Total coliforms (coliform bacteria) <i>Escherichia coli</i>	APHA 9221F
11.3.1	Faecal coliforms	APHA 9221E
	Faecal coliforms	APHA 9222 D
11.3.3	Total coliforms (coliform bacteria) <i>Escherichia coli</i>	MIMM 11 Appendix 1
	Total coliforms (coliform bacteria) <i>Escherichia coli</i>	APHA 9221B
	Total coliforms (coliform bacteria) <i>Escherichia coli</i>	APHA 9221F
11.4.1	Total coliforms (coliform bacteria), <i>Escherichia coli</i>	APHA 1970 Part III (+ EC-TBX)
11.5.3	Aerobic Plate Count	APHA Comp. Ch. 8.72
	Aerobic Plate Count	APHA Comp. Ch. 8.82
	Aerobic Plate Count	TEMPO AC
11.5.4	<i>Staphylococcus aureus</i>	APHA Comp. Ch.39.6
	<i>Staphylococcus aureus</i>	TEMPO STA
11.5.6	<i>Vibrio parahaemolyticus</i>	FDA BAM Ch. 9
	<i>Vibrio parahaemolyticus</i>	APHA Comp. Ch. 40
11.5.10	<i>Escherichia coli</i>	APHA Comp. Ch. 9.93
	<i>Escherichia coli</i>	TEMPO EC
11.5.11	Salmonella	PCR (In-house)
11.5.12	<i>Vibrio cholerae</i>	APHA Comp. Ch. 40
	<i>Vibrio cholerae</i>	FDA BAM Ch. 9
11.6.1	Faecal coliforms	APHA (1970) Part III
11.6.2	<i>Escherichia coli</i>	Enumeration of <i>E coli</i> in Molluscan Bivalve Shellfish, MPI method
11.6.3	Salmonella	ISO 6579-1:2017 / Amendment 1:2020
11.6.4	<i>Vibrio parahaemolyticus</i>	FDA BAM Ch. 9
	<i>Vibrio parahaemolyticus</i>	APHA Comp. Ch. 40
11.6.7	Aerobic Plate Count	APHA Comp. Ch. 8.72
	Aerobic Plate Count	APHA Comp. Ch. 8.82
	Aerobic Plate Count	TEMPO AC
11.6.8	<i>Staphylococcus aureus</i>	TEMPO STA
11.6.9	<i>Vibrio cholerae</i>	FDA BAM Ch. 9
	<i>Vibrio cholerae</i>	APHA Comp. Ch. 40
11.8.1	<i>Escherichia coli</i>	Enumeration of <i>E coli</i> in Molluscan Bivalve

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		Shellfish, MPI method
11.8.2	Salmonella Salmonella	ISO 6579-1:2017 / Amendment 1:2020 PCR (In house)
11.8.5	<i>Listeria monocytogenes</i> <i>Listeria monocytogenes</i>	ISO 11290-2:2017 PCR (In-house)
11.8.6	Aerobic plate count Aerobic plate count Aerobic plate count	APHA Comp. Ch. 8.72 APHA Comp. Ch. 8.82 TEMPO AC

**Dairy Products – Microbiology**

**(milk, milk powders, butter, caseins, infant formula, cheese)**

30.5	Aerobic Plate Count	TEMPO AC
30.6	Coliforms (total) Coliforms (total)	TEMPO CC TEMPO TC
31.1	Aerobic Plate Count	TEMPO AC
31.2	<i>Bacillus cereus</i>	TEMPO BC
31.6	Coliforms (count) Coliforms (count)	TEMPO CC TEMPO TC
31.7	<i>Escherichia coli</i>	TEMPO EC
31.8	Enterobacteriaceae	TEMPO EB
31.10	<i>Listeria monocytogenes</i> (including raw milk)	PCR (In-house)
31.12	Salmonella (detection)	PCR (In-house)
31.14	<i>Staphylococcus aureus</i> ( <i>Staphylococcus coagulase positive</i> )	TEMPO STA
31.16	Yeasts and Moulds	TEMPO YM
31.17	<i>Cronobacter</i> spp. including <i>Cronobacter sakazakii</i>	PCR (In-house)

**References:**

APHA	Standard Methods for the Examination of Water and Wastewaters (Online Edition)
APHA (1970)	Recommended Procedures for the Examination of Seawater and Shellfish (4 <sup>th</sup> Edition)
APHA Comp.	Compendium of Methods for the Microbiological Examination of Foods (5 <sup>th</sup> Edition)
FDA	US Food & Drug Administration Bacteriological Analytical Manual (Online Edition)
ISO	International Organisation for Standardisation
MIMM	Meat Industry Microbiological Methods (5 <sup>th</sup> Edition)

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NMD      Animal Products Notice: National Microbiological Database Programme

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