



**Hill Laboratories**

Christchurch

**Client Number 6706**

PO Box 16607, Hornby, Christchurch, 8441  
101C Waterloo Road, Hornby, Christchurch, 8042

**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 – Specifications for Laboratories

**Laboratory Services Summary**

Potable / Suitable Water for Meat, Poultry, Egg and Honey Industry Microbiology  
Meat & Meat Products, Poultry, Egg and Egg Product & Honey Microbiology/Parasitology  
Potable Water - Physico-Chemical Parameters  
Seafood Products and 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, 23.1, 23.3, 23.4, 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, 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 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, 23.1, 23.3, 23.4, 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,

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# CERTIFICATE OF ACCREDITATION



Mrs Yu (Dominique) Gao	11.6.7, 11.6.8, 11.6.9, 11.8.1, 11.8.2, 11.8.5, 11.8.6, 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 Gurpreet Kaur	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, 23.1, 23.3, 23.4, 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, 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	5.01, 5.02, 5.03, 5.04
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, 23.1, 23.3, 23.4, 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, 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	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, 23.1, 23.3, 23.4, 11.1.1, 11.1.2, 11.2.1, 11.2.3, 11.3.1, 11.3.3, 11.4.1, 11.5.3; selected, 11.5.4; selected, 11.5.6, 11.5.10; selected, 11.5.11, 11.5.12, 11.6.1, 11.6.2, 11.6.3, 11.6.4, 11.6.7; selected, 11.6.8, 11.6.9, 11.8.1, 11.8.2, 11.8.5, 11.8.6; selected, 31.10, 31.12
Ms Paula Robson	5.01, 5.02, 5.03, 5.04
Mrs Irina Zinoveva	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, 23.1, 23.3, 23.4, 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, 30.5, 30.6, 31.1, 31.2, 31.6, 31.7, 31.8, 31.10, 31.12, 31.14, 31.16, 31.17
	5.01, 5.02, 5.03, 5.04

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Hill Laboratories  
 MPI Recognised Laboratory Programme  
**SCOPE OF ACCREDITATION**

Accreditation Number 1138

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
MPI Laboratory Approval Scheme	894	04/02/2004

**Potable / Suitable Water for Meat, Poultry, Egg and Honey Industry Microbiology**

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

1.1.1	Total coliforms / <i>Escherichia coli</i>	MIMM 11 Appendix 1
	Total coliforms / <i>Escherichia coli</i>	APHA 9221B
	Total coliforms / <i>Escherichia coli</i>	APHA 9221F
1.2	Faecal coliforms	MIMM 11.4
	Faecal coliforms	APHA 9221E
1.3	Standard plate count (22 °C/72hr)	MIMM 11.6 SPC
1.6.1	<i>Clostridium perfringens</i> (including spores)	11.A3

**Meat & Meat Product, Poultry Egg and Egg Product & Honey / Microbiology/Parasitology**

(not including dairy products or environmental sampling within dairy premises)

In accordance with MIMM: Microbiological Methods for the Meat Industry (5<sup>th</sup> Edition) and the following Ministry for Primary Industries Animal Products Notice for the National Microbiological Database Programme.

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

2.1.1	Aerobic Plate Count	MIMM 6
	Aerobic Plate Count	TEMPO AC
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
2.2.1	<i>Escherichia coli</i>	MIMM 8.4
	<i>Escherichia coli</i>	TEMPO EC
2.2.2	<i>Escherichia coli</i> , Petrifilm	NMD 3.16 with sampling NMD 3
2.3	<i>Staphylococcus aureus</i>	MIMM 7.8

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2.4.1	Salmonella	MIMM 7.7
	Salmonella	PCR (In-house)
2.4.2	Salmonella	ISO 6579-1:2017
2.4.3	Salmonella	NMD 3.17 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)

**Potable Water - Physico-Chemical Parameters**

In accordance with APHA Standards Methods for the Examination of Water and Wastewater (23rd Edition or on-line edition)

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

**Seafood Products and Water**

In accordance with APHA Recommended Procedures for the Examination of Sea Water and Shellfish (4<sup>th</sup> Edition) unless otherwise stated.

11.1.1	Faecal coliforms	9221E
	Faecal coliforms	MIMM 11.4
11.1.2	Total coliforms (coliform bacteria) <i>Escherichia coli</i>	MIMM 11 Appendix 1
	Total coliforms (coliform bacteria) <i>Escherichia coli</i>	9221B
	Total coliforms (coliform bacteria) <i>Escherichia coli</i>	9221F
11.2.1	Faecal coliforms	APHA 9221E
	Faecal coliforms	MIMM 11.4
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

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	Faecal coliforms	MIMM 11.4
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	Standard Plate Count	APHA Comp. Ch. 8.72
	Standard Plate Count	APHA Comp. Ch. 8.82
	Standard 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 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>	APHA Comp. Ch. 40
	<i>Vibrio cholerae</i>	FDA BAM Ch. 9
11.6.1	Faecal coliforms	APHA (4th Edition) 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
11.6.4	<i>Vibrio parahaemolyticus</i>	FDA BAM Ch. 9
	<i>Vibrio parahaemolyticus</i>	APHA 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 Ch. 40
11.8.1	<i>Escherichia coli</i>	Enumeration of <i>E coli</i> in Molluscan Bivalve Shellfish, MPI method
11.8.2	Salmonella	ISO 6579-1:2017
	Salmonella	PCR (In house)
11.8.5	<i>Listeria monocytogenes</i>	ISO 11290-2:2017
11.8.6	Aerobic plate count	APHA Comp. Ch. 8.72
	Aerobic plate count	APHA Comp. Ch. 8.82
	Aerobic plate count	TEMPO AC

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**Dairy Products - Microbiology**

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

30.5	Aerobic Plate Count	TEMPO AC
30.6	Total coliforms	TEMPO CC
31.1	Aerobic Plate Count	TEMPO AC
31.2	<i>Bacillus cereus</i>	TEMPO BC
31.6	Coliform (count)	TEMPO CC
31.7	<i>Escherichia coli</i>	TEMPO EC
31.8	Enterobacteriaceae	TEMPO EB
31.10	<i>Listeria monocytogenes</i>	PCR (In-house)
31.12	Salmonella (detection) (including raw milk)	PCR (In-house)
31.14	<i>Staphylococcus aureus</i> ( <i>Staphylococcus coagulase positive</i> )	TEMPO STA
31.16	Yeasts and Moulds	TEMPO MPN
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 (23<sup>rd</sup> Edition)
- APHA (4<sup>th</sup> Ed) Recommended Procedures for the Examination of Seawater and Shellfish
- APHA Comp. Compendium of Methods for the Microbiological Examination of Foods (5<sup>th</sup> Edition)
- FDA BAM US Food & Drug Administration Bacteriological Analytical Manual (8<sup>th</sup> Edition)
- ISO International Standards Organisation
- MIMM Meat Industry Microbiological Methods

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