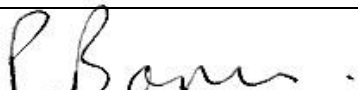


Laboratory Accreditation Programmes

Schedule to	
CERTIFICATE OF ACCREDITATION	
Ms Ester Woollaston	1.12
Molecular	
Ms Ester Woollaston	1.62 (selected)
Ms Fiona Calvert	1.62 (selected)
Mr Jon Harris	1.62 (selected)
Dr Eilidh Mowat	1.62

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Foods

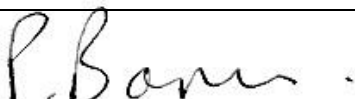
1.11 Foods

- (a) **Cereals and cereal products**
- (b) **Edible oils, fats and derived products**
- (c) **Nuts, fruits, vegetables and derived products**
- (d) **Sauces, herbs, spices and condiments**
- (e) **Sugar and sugar confectionery**
- (f) **Dairy products**
- (g) **Meat, poultry and derived products**
- (h) **Fish and fish products**
- (i) **Eggs and egg products**
- (k) **Non-alcoholic beverages**
- (p) **Canned foods**
- (q) **Animal feeds**

The following tests are in accordance with APHA Compendium for the Microbiological Examination of Foods (5th Edition) methods unless were otherwise stated:

Aerobic Plate Count	6.523, 8.72
Aerobic Plate Count	6.524, 8.73
Aerobic Plate Count	8.82
Aerobic Plate Count (pour plate)	MIMM 6
Aerobic Plate Count (spread plate)	MIMM 6
Aerobic Plate Count (petrifilm)	MIMM 6
Aerobic Plate Count	TEMPO AC
<i>Bacillus cereus</i>	31
<i>Bacillus cereus</i>	31 (modified)
<i>Bacillus cereus</i> (count)	TEMPO BC
Coliform (count)	TEMPO CC
<i>E.coli</i> (count)	TEMPO EC
<i>E.coli</i> – Petrifilm	9.935
<i>E.coli</i> – Petrifilm	MIMM 8.4.
<i>E.coli</i> – MPN	9.93
Enterobacteriaceae	MIMM 8.2
Enterobacteriaceae	9.62 (modified)
Enterobacteriaceae	9.63 (modified)
Enterobacteriaceae (count)	TEMPO EB
Faecal Coliforms MPN	9.81
<i>Listeria</i> count	ISO 11290-2 Amendment 1 (2004)(modified)
<i>Listeria</i> (PCR)	In-House
Mould	21.51
Presumptive Coliforms-MPN	9.71
Salmonella (PCR)	In-House

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<i>Staphylococcus aureus</i>	39.6
<i>Staphylococcus aureus</i>	MIMM 7.8
<i>Staphylococcus aureus</i> (count)	TEMPO STA
Total Coliforms MPN	9.72
Total Coliforms – Petrifilm	9.935
Yeast & Mould	21.51
Yeast & Mould	21.52
Yeast & Mould	21.5 (modified)
Yeast & Mould	TEMPO MPN

(f) Dairy products

Cronobacter (PCR)	In-House
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(k) Non-alcoholic beverages (syrups, juices)

Aciduric Plate Count	58.5 & 8.73
Aciduric Plate Count (MF using Orange Serum Agar)	6.54 / 58.552
Aerobic Plate Count (MF)	6.54
Yeasts & Moulds (MF)	21.51
Yeasts & Moulds (MF)	21.52
Xerophilic Yeast & Mould Counts (MF)	21.52

(n) Other specified fresh foods

Leptospermum scoparium DNA (PCR) (honey)	PCR as per MPI Technical Paper 2017/31
Leptospermum scoparium DNA (PCR) (honey) (modified)	PCR as per MPI Technical Paper 2017/31
Osmophilic fungi count	17.3
<i>Staphylococcus aureus</i>	39.6

(n) Other specified fresh foods

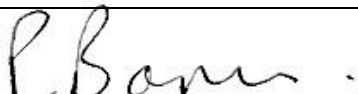
(o) Other specified preserved foods

Aerobic Plate Count	TEMPO AC
<i>Bacillus cereus</i> (count)	TEMPO BC
Coliform (count)	TEMPO CC
<i>E. coli</i> (count)	TEMPO EC
Enterobacteriaceae (count)	TEMPO EB
<i>Staphylococcus aureus</i> (count)	TEMPO STA
Yeast & Mould	TEMPO MPN
Yeast & Mould	APHA 5 th Edition – Chapter 21.5 (modified)

1.71 Biological Condition

(b) Plant hygiene evaluation

The following tests are in accordance with APHA Compendium for the Microbiological Examination of Foods (5th Edition) methods unless were otherwise stated:

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Aerobic Plate Count	8.82
Aerobic Plate Count	MIMM 6
Aerobic Plate Count	TEMPO AC
<i>Bacillus cereus</i> (count)	TEMPO BC
Coliform (count)	TEMPO CC
Cronobacter (PCR)	In-House
<i>E.coli</i> (count)	TEMPO EC
<i>E coli</i> – Petrifilm	9.935
<i>E coli</i> – Petrifilm	MIMM 8.4.
Enterobacteriaceae	MIMM 8.2
Enterobacteriaceae	9.62 (modified)
Enterobacteriaceae	9.63 (modified)
Enterobacteriaceae (count)	TEMPO EB
Listeria (PCR)	In-House
Listeria count	ISO 11290-2 Amendment 1(2004) (modified)
Salmonella (PCR)	In-House
<i>Staphylococcus aureus</i> (count)	TEMPO STA
Total Coliforms – Petrifilm	9.935
Yeast & Mould	21.5 (modified)
Yeast & Mould	TEMPO MPN

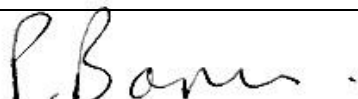
Waters
1.12 Waters

- (a) **Potable waters**
- (b) **Non-potable waters e.g. receiving waters, ground waters**
- (c) **Sewage**
- (d) **Effluent and trade wastes**
- (e) **Cooling tower and industrial waters**
- (f) **Swimming and spa pools**
- (g) **Marine waters**

The following tests are in accordance with APHA “Standard Methods for the Examination of Water and Wastewater” (23rd Edition) except where otherwise indicated.

Aerobic Plate Count 22°C	MIMM 11.6
<i>E coli</i> - MF	9222 G
<i>E coli</i> - MPN	9221 F
<i>E coli</i> -MPN (TBX)	9221 F (modified)
<i>E coli</i> - MPN	9223 B Colilert
<i>E coli</i> - P/A	9223 B Colilert
<i>E.coli</i>	MIMM 11.A1.1
<i>E coli</i> - MPN	MIMM 11.A2.6

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Enterococci	MIMM 12.4
Enterococci - MF	9230 C (modified)
Faecal coliforms - MF	9222 D
Faecal coliforms - MPN	9221 E
Faecal Coliforms	MIMM 11.A2
Heterotrophic plate count	9215 B
<i>Pseudomonas aeruginosa</i>	9213 E
<i>Staphylococcus aureus</i>	9213 B
Total coliforms - MF	9222 B
Total coliforms - MPN	9221 B
Total coliforms - MPN	9223 B Colilert
Total coliforms - P/A	9223 B Colilert
Total Coliforms	MIMM 11.A1.1
Total Coliforms	MIMM 11.A2
Total Coliforms	MIMM 11.A2.6

(a) Potable waters

<i>Clostridium perfringens</i> , including Spores (MF)	MIMM 11.A3
<i>E coli</i> (MF)	AS 4276.7: 2007
Faecal Coliforms (MF)	AS 4276.7: 2007
Faecal Streptococci (MF)	MIMM 11.7
Heterotrophic Plate Count	AS 4276.3.1: 2007
Heterotrophic Plate Count	ISO 6222:1999
<i>Pseudomonas aeruginosa</i> (MF)	AS 4276.13: 2008
Sulphite Reducing Clostridia including spores (MF)	EA Microbiology Drinking Water 2010 (Part 6)
Total Coliforms (MF)	AS 4276.5: 2007

(e) Cooling tower and industrial waters

Legionella	AS/NZS 3896: 2017
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Molecular

1.62 Molecular Biology

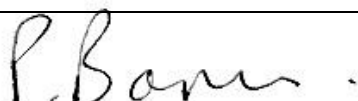
(b) DNA typing

Testing for the following bacteria in kiwifruit plant material using Psa-V Taqman Real-Time PCR

Detection of American Foulbrood by qPCR
 Detection of American Foulbrood by qPCR (in-house)
Pseudomonas syringae pv. *actinidiae* (Psa)

References:

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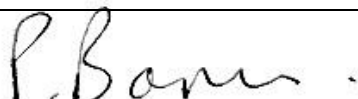
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AS/NZS Australian / New Zealand Standards
ISO International Standards Organisation
MIMM Meat Industry Microbiological Methods (5th Edition)Authorised:
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