

Laboratory Accreditation Programmes

Schedule to

CERTIFICATE OF ACCREDITATION

AsureQuality Limited
Laboratory Services - Wellington Laboratory

Client No: 6881

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Authorised Representative:
Mrs Charlene Gerber
Quality Systems Manager

Programme
NZFSA Laboratory Approval Scheme - Accredited Laboratory

Accreditation Number: 877

Date of Accreditation: 29 January 2004

Conformance Standard

NZS ISO/IEC 17025:2005

General requirements for the competence of testing and calibration laboratories

The following sections of the Laboratory Approval Scheme (Amendment 10)

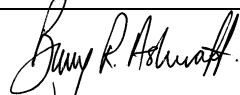
- 8. APPROVED LABORATORIES
- 8.1 LAS Standards for Laboratories
- 8.2 Accreditation/Assessment
- 8.3 Rights and Duties of Approval Laboratories
- 8.4 Suspension/Revocation of Approval
- 8.5 Laboratory Methods/Tests
- 8.6 Signatories
- 8.7 Sampling

Testing Services Summary

- | | |
|------|---|
| 1.0 | Potable Water Microbiology |
| 2.0 | Meat & Meat Product and Poultry Microbiology/Parasitology |
| 5.0 | Potable Water Physico-Chemical Parameters |
| 8.0 | Chemical Residue Testing |
| 11.0 | Seafood testing methods and matrices |

Signatories

Mrs Karen Anderson 1.1-1.6.1, 2.1.1, 2.1.2, 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

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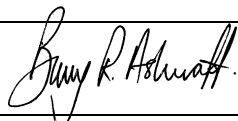
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Mrs Kelly-Marie Burns	1.1-1.6.1, 2.1.1, 2.1.2, 2.2.1, 2.2.2, 2.3, 2.4.1, 2.4.2, 2.4.3, 2.6, 2.8, 2.9, 1, 11.1.1, 11.1.2
Ms Michaela Taylor	1.1-1.6.1, 2.1.1, 2.1.2, 2.2.1, 2.2.2, 2.3, 2.4.1, 2.4.2, 2.4.3, 2.6, 2.8, 2.9, 11.1.1, 11.1.2
Mrs Joanne Fry	5.34, 5.35, 5.36.1, 5.36.3, 5.39, 5.40, 5.43
Mrs Andrea Lister	5.34, 5.35, 5.36.1, 5.36.3, 5.39, 5.40, 5.43
Mrs Jayanthi Ranasinghe	5.34, 5.35, 5.36.1, 5.36.3, 5.39, 5.40, 5.43
Dr Cliff Randall	5.34, 5.35, 5.36.1, 5.36.3, 5.39, 5.40, 5.43, 8.40
Mrs Lorna Graham	5.36.2, 5.36.5, 5.36.6
Mr Koos Hoogenboom	5.36.2, 5.36.5, 5.36.6, 8.17, 8.18, 8.21
Mr Ross Pearson	5.36.4, 8.1-8.16, 8.19, 8.23, 8.25.2, 8.26, 8.28-8.32, 8.34, 8.37, 8.39, 8.40, 8.41
Mr Bryan Scahill	5.36.4, 8.1-8.4, 8.6, 8.8, 8.9, 8.11, 8.12, 8.19, 8.22, 8.23, 8.29, 8.31, 8.34, 8.40
Mr Eric Cairns	5.36.4, 8.4-8.16, 8.19, 8.23, 8.25.2, 8.26, 8.30, 8.37
Ms Chantelle Brennan	5.36.4, 8.23, 8.25.2
Dr Julie Zhu	8.1(selected tests), 8.2, 8.3
Mrs Heather Innes	8.1(selected tests), 8.2, 8.3, 8.8, 8.19, 8.22
Miss Joanna Salter	8.6, 8.9, 8.13, 8.14
Mr William Graham	8.10-8.14, 8.25.2
Mr Graham Bond	8.10, 8.26
Mrs Eileen Quérée	8.12, 8.16, 8.19, 8.28, 8.32, 8.37
Ms Joanna Yang	8.13, 8.15, 8.30, 8.39
Ms Rachael Wilmhurst	8.15, 8.16, 8.30, 8.39
Mrs Sanja Sretenovic	8.16, 8.25.2
Dr Glen Fern	8.17, 8.18, 8.21

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SECTION 1: MEAT & POULTRY INDUSTRY OFFICIAL TESTS

1.0 Potable Water Microbiology

In accordance with MIMM: Microbiological Methods for the Meat Industry (4th Edition)

1.1	Total coliforms	11.3
1.1.1	Total coliforms/ <i>E. coli</i>	11.5
1.2	Faecal coliforms	11.4
1.3	Standard plate count (22 °C/72hr)	11.6
1.4	Standard plate count (37 °C/48hr)	11.6
1.5.1	Enterococci	11.9
1.6.1	<i>Clostridium perfringens</i>	11.A3

2.0 Meat and Meat Products and Poultry Microbiology/Parasitology

In accordance with MIMM: Microbiological Methods for the Meat Industry (4th Edition) and the following NZ Food Safety Authority (Animal Products) Schedule 1 Technical Procedures for the National Microbiological Database.

- Farmed Animals; Bovine, Ovine, Bobby calves
- Caprine, Cervine; excluding feral deer
- Poultry (Broilers only)
- Emu/Ostrich

2.1 Aerobic Plate Count (30 °C)

2.1.1	Meat and meat preparations	MIMM 6
2.1.2	NMD swabs/meat (spread plate)	NMD 4.7.2 with sampling NMD 3

2.2 *Escherichia coli*

2.2.1	Meat and meat preparations	MIMM 8.4
2.2.2	NMD swabs/meat (Petrifilm)	NMD 4.8 with sampling NMD 3

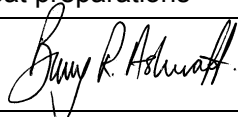
2.3 *Staphylococcus aureus*

<i>Staphylococcus aureus</i> (meat/meat preparations)	MIMM 7.8
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2.4 Salmonella

2.4.1	Meat and meat preparations	MIMM 7.7
	Fish oil emulsion	MIMM 7.7
2.4.2	Meat and meat preparations	MIMM 7.7 (with MKTTn in parallel)

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2.4.3 NMD swabs/meat NMD 4.9 with sampling NMD 3

2.6 *Listeria monocytogenes*

Listeria monocytogenes (meat/meat preparations) MIMM 7.5

2.8 *Clostridium perfringens*

Sulphite reducing anaerobes (fish oil emulsion) MIMM 7.10

2.9 Enterobacteriaceae

Enterobacteriaceae (fish oil emulsion) MIMM 8.2

5.0 Potable Water Physico-Chemical Parameters

In accordance with In-house methods based primarily on APHA and USEPA methodology, details of which are available on request.

5.34 Chlorinated alkanes

5.35 Polycyclic aromatic hydrocarbons (PAH)

5.36 Pesticides

5.36.1 Acid Herbicides

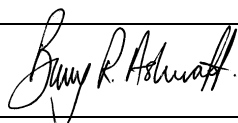
- 2,4,5-T
- 2,4-D
- 2,4-DB
- Bentazone
- Dichlorprop
- Fenoprop
- MCPA
- Mecoprop
- Pentachlorophenol
- Picloram
- Trichlopyr

5.36.2 Chlortoluron, diuron, thiabendazole

5.36.3 Semi Volatile Organic Compounds (SVOC)

- Benzo(a)pyrene
- Alachlor
- Aldrin + dieldrin
- Atrazine
- Azinphos methyl
- Bromacil
- Carbofuran
- Chlordane
- Chloropyrifos
- Cyanazine

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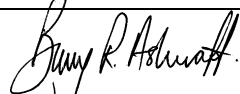
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- DDT + isomers
- Diazinon
- Dimethoate
- Endrin
- Heptachlor and heptachlor epoxide
- Hexachlorobenzene
- Hexazinone
- Lindane
- Metalaxyl
- Methoxychlor
- Metolachlor
- Metribuzin
- Oryzalin
- Oxadiazon
- Pendimethalin
- Permethrin
- Pirimiphos methyl
- Procymidone
- Simazine
- Terbutylazine
- Trifluralin
- 5.36.4 1080
- 5.36.5 Diquat
- 5.36.6 Paraquat
- 5.39 Volatile organic compounds (VOC)
 - Benzene
 - 1,2-dichloroethane
 - Tetrachloroethane and trichloroethane
 - Tetrachloroethene and trichloroethene
 - Vinyl chloride
 - Epichlorohydrin
 - 1,2-dibromo-3-chloropropane
 - 1,2-dibromoethane
 - 1,2-dichloropropane
 - 1,3-dichloropropene, cis
 - 1,3-dichloropropene, trans
- 5.40 Trihalomethanes
- 5.43 Acrylamide

8.0 Chemical Residue Testing

The following analyses from the New Zealand Food Safety (Animal Products) Residue Specifications Notice 2004 and subsequent amendments, in accordance with methods details of which are available on request.

Selected matrices and analytes from the following classes of test.

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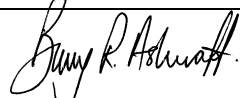
- 8.1 Stilbenes
- 8.2 Oestrogenic substances
- 8.3 Androgenic substances
- 8.4 Aminoglycosides
- 8.5 Beta-lactams
- 8.6 Cephalosporins
- 8.7 Tetracyclines
- 8.8 Chloramphenicol
- 8.9 Macrolides
- 8.10 Sulphonamides
- 8.11 Dimetridazole
- 8.12 Carbadox
- 8.13 Benzamidazoles
- 8.14 Imidazothiazoles
- 8.15 Polyether Coccidiostats
- 8.16 Milbemycin Group
- 8.17 Synthetic pyrethroid and carbamate pesticides
- 8.18 Organophosphates
- 8.19 Beta-Agonists, Clenbuterol
- 8.21 Organochlorines
- 8.22 Species Verification
- 8.23 Fluoroacetate/1080
- 8.25 Nitrofurans metabolites
- 8.25.2 Nitrofurans metabolites eg semicarbazide
- 8.26 Anticoagulants: brodifacoum, flocoumafen, bromadiolone
- 8.28 Quinolone antibiotics
- 8.29 Non-steroidal anti-inflammatory substances
- 8.30 Amprolium
- 8.31 Hormonal growth promotants including zearalenone
- 8.32 Thyrostatic agents (uracil and thiouracil compounds)
- 8.34 Corticosteroids (Dexamethasone)
- 8.37 Malachite green
- 8.39 Nicarbazin
- 8.40 Paradichlorobenzene (PDB)
- 8.41 Salicylanilides

SECTION 2: SEAFOOD TESTING METHODS AND MATRICES

In accordance with APHA (American Public Health Association) Recommended Procedures for the Examination of Sea Water and Shellfish 1970 4th Edition unless otherwise stated

11.1 Potable Water

- 11.1.1 Faecal Coliforms APHA 9222D
- 11.1.2 Total coliforms APHA 9222B

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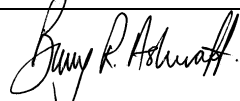
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