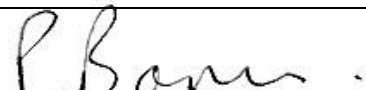


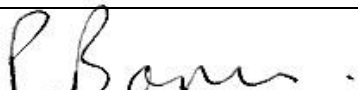
Laboratory Accreditation Programmes

Schedule to CERTIFICATE OF ACCREDITATION	
Hill Laboratories	Client No. 590
Private Bag 3205, Waikato Mail Centre, Hamilton, 3240 1 Clyde Street, Hamilton East, Hamilton, 3216	
Telephone 0508 445-5522 Fax	www.hill-laboratories.com
Authorised Representative Ms Gillian Lees Quality Manager - Compliance	
Programme MPI Recognised Laboratory Programme	
Accreditation Number 1148	Initial Accreditation Date 18 January 2016
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 Potable Water - Physico-Chemical Parameters Animal Products - Chemical Residue Testing (NRCP & NCCP) Dairy Products - Composition (includes standards of identity, vitamins, minerals and other nutrients)	
Key Technical Personnel	
Mr Mark Bryant	8.20, 32.9
Mr Shaun Clay	8.40, 8.42
Mr Graham Corban	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, 5.35, 5.36, 5.36.1, 5.36.2, 5.36.3, 5.39, 5.40, 5.42, 5.43, 5.44, 5.45, 5.46
Mrs Doreen Day	8.20, 32.9
Mr Jon Harris	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,

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Miss Ara Heron	5.22, 5.23, 5.24, 5.25, 5.26, 5.28, 5.29, 5.31, 5.32, 5.42, 5.44, 5.45, 5.46
Ms Helen McGowan	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, 5.35, 5.36, 5.36.1, 5.36.2, 5.36.3, 5.39, 5.40, 5.42, 5.43, 5.44, 5.45, 5.46
Dr Bruce Morris	8.40, 8.42
Dr Peter Robinson	8.40, 8.42
Mrs Thiru Malar Sritharan	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, 5.35, 5.36, 5.36.1, 5.36.2, 5.36.3, 5.39, 5.40, 5.42, 5.43, 5.44, 5.45, 5.46
	8.20, 32.9

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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.

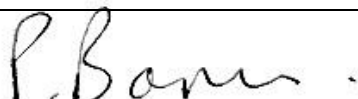
IANZ Laboratory Accreditation Programme	Accreditation Number	Date of Initial Accreditation
Dairy Testing Laboratory	762	10/04/2001
MPI Laboratory Approval Scheme	887	30/01/2004

Potable Water - Physico-Chemical Parameters

In accordance with APHA Standards Methods for the Examination of Water and Wastewater (22nd Edition) unless otherwise stated.

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 F (modified, discrete analyser)
	Ammoniacal nitrogen (ammonium)	4500-NH ₃ H
5.11	Chloride	4500-Cl E (modified, discrete analyser)
	Chloride	4110 B
5.12	Fluoride	4500-F C
	Fluoride	4110 B
5.13	Nitrate	4500-NO ₃ I (modified)
	Nitrate	4110 B
5.14	Nitrite	4500-NO ₃ I (modified)
	Nitrite	4110 B
5.16	Sulphate	4110 B
5.17	Aluminium	3125 B
5.18	Arsenic	3125 B
5.19	Boron	3125 B
5.20	Cadmium	3125 B
5.22	Chromium	3125 B
5.23	Copper	3125 B
5.24	Cyanide	4500-CN C (modified)

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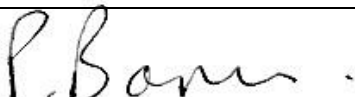
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	Cyanide	4500-CN E (modified, discrete analyser)
	Cyanide	4500-CN I (modified)
	Cyanide	4500-CN N (modified)
5.25	Iron	3120 B
	Iron	3125 B
5.26	Lead	3125 B
5.28	Manganese	3125 B
5.29	Mercury	USEPA 245.7 (CVAF)
	Mercury	3125 B
5.31	Sodium	3120 B
	Sodium	3125 B
5.32	Selenium	3125 B
5.35	Polynuclear aromatic hydrocarbons (PAH)	EPA 8270 D
5.36	Pesticides	EPA 8270 D
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 • Dichlorprop • Fenoprop • MCPA • Mecoprop • Pentachlorophenol • Pichloram • Triclopyr 	
5.36.2	Chlortoluron, diuron, thiabendazole	In-house by GC-MSD
5.36.3	Semi Volatile Organic Compounds (SVOC)	EPA 8270 D; GC-MSD (unless otherwise stated)
	<ul style="list-style-type: none"> • Alachlor • Aldicarb • Aldrin + dieldrin • Atrazine • Azinphos methyl • Benzo(a)pyrene • Bromacil • Carbofuran • Chlordane • Chlorpyrifos • Cyanazine • DDT + isomers • Dimethoate 	In-house by LC-MS/MS

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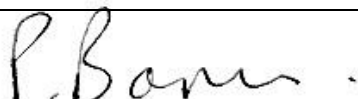
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• Endrin	
• Heptachlor + heptachlor epoxide	
• Hexachlorobenzene	
• Hexazinone	
• Isoproturon	In-house by LC-MS/MS
• Lindane	
• Metachlor	
• Metalaxyl	
• Methoxychlor	
• Metribuzin	
• Molinate	
• Oryzalin	In-house by LC-MS/MS
• Oxadiazon	
• Pendimethalin	
• Pirimiphos methyl	
• Pyriproxifen	
• Primisulfuron-methyl	In-house by LC-MS/MS
• Procymidone	
• Propazine	In-house by LC-MS/MS
• Simazine	
• Terbacil	In-house by LC-MS/MS
• Terbutylazine	
• Trifluralin	
5.39 Volatile Organic Compounds (VOC)	In-house based on USEPA 8260, 5030, 5021
• Benzene	
• 1,2-dichloroethane	
• Tetrachloroethane and trichloroethane	
• Tetrachloroethene and trichloroethene	
• Vinyl chloride	
• Epichlorohydrin	In-house by SPME GC-MS
• 1,2-dibromo-3-chloropropane	
• 1,2-dibromoethane	
• 1,2-dichloropropane	
• 1,3-dichloropropene, cis	
• 1,3-dichloropropene, trans	
5.40 Trihalomethanes	In-house based on USEPA 8260, 5030, 5021
5.42 Total Organic Carbon (TOC)	5310 C (modified)
5.43 Acrylamide	In-house by LC-MS/MS
5.44 Antimony	ICP-MS
5.45 Bromate	USEPA 300.1
5.46 Nickel	ICP-MS

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Animal Products - Chemical Residue Testing (NRCP & NCCP)

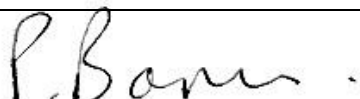
8.20	Heavy metals (dairy, meat, poultry, honey and propolis)	APHA 3030 Fa / 3125 B (ICP-MS)
	Heavy metals (in fish, fishmeal and shellfish)	APHA 3030 Fa / 3125 B (ICP-MS)
8.40	Paradichlorobenzene (PDB) (honey)	In-house by SPME GC-MS
8.42	Tutin (honey)	In-house by LC-MS/MS

**Dairy Products - Composition
 (includes standards of identity, vitamins, minerals and other nutrients)**

- (a) Milk
- (b) Cream
- (c) Milk powders
- (d) Butter
- (e) Other fat products
- (f) Cheese
- (g) Caseins and caseinates
- (h) Whey products
- (i) Cultured products
- (j) Frozen confectionery
- (k) Dairy foods
- (l) Ice cream
- (m) Rennet
- (n) Alamin

32.9	Minerals: Sodium, Potassium	ICP-OES
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