

## Laboratory Accreditation Programmes

 Schedule to  
**CERTIFICATE OF ACCREDITATION**

 Hill Laboratories  
 Hamilton

**Client No. 590**

 Private Bag 3205, Waikato Mail Centre, Hamilton, 3240  
 28 Duke St, Frankton, Hamilton, 3204

**Telephone 0508 445-5522**
**www.hill-laboratories.com**
**Authorised Representative**

 Ms Gillian Lees  
 Quality Management Contractor

**Programme**

Drinking Water Testing Laboratory

**Accreditation Number 798**
**Initial Accreditation Date 15 January 2002**
**Conformance Standard**

NZS ISO/IEC 17025:2005

 General requirements for the competence of testing and calibration laboratories  
 Drinking-Water Standards for New Zealand 2005 (Revised 2008)

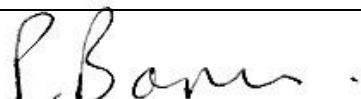
**Testing Services Summary**

 1.12 Waters (NZ Drinking Water Standards - Microbiology)  
 2.41 Waters (NZ Drinking Water Standards - Chemistry)

**Key Technical Personnel**

Mrs Priya Babu	1.12
Ms April Flett	1.12
Mrs Shobhna Ram	1.12
Mr Kevin Wang	1.12
Ms Ester Woollaston	1.12
Ms Helena Bertram	2.41
Mr Alastair Boyd	2.41; selected
Mr Graham Corban	2.41
Mr Martin Cowell	2.41
Mr Jon Harris	2.41; selected
Miss Kim Harrison	2.41
Miss Ara Heron	2.41
Mrs Carole Rodgers-Caroll	2.41; selected
Dr Jane Sherrard	2.41; selected

 Authorised:  
 General Manager



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Hill Laboratories  
 Drinking Water Testing Laboratory  
**SCOPE OF ACCREDITATION**

Accreditation Number 798

The following scope of accreditation provides for the testing of potable waters for the purpose of assessing compliance with the Drinking-Water Standards for New Zealand 2005 (Revised 2008)

**1.12 Waters (NZ Drinking Water Standards - Microbiology)**

**(a) Potable waters**

In accordance with APHA “Standard Methods for the Examination of Water and Wastewater” (23<sup>rd</sup> Edition) except where otherwise indicated

Determinand	Method Reference	Method Short Code
Total coliforms - MPN	9221 B	MTF
Total coliforms - Colilert Quantitray	9223 B	ColiQT
Faecal coliforms - MPN	9221 E	MTF
Faecal coliforms - MF	9222 D	MF
<i>E coli</i> - MPN	9221 F	MTF
<i>E coli</i> - Colilert Quantitray	9223 B	ColiQT

**2.41 Waters (NZ Drinking Water Standards – Chemistry)**

**(a) Potable waters**

**CHEMICAL METHODS FOR MICROBIOLOGICAL COMPLIANCE**

In accordance with APHA “Standard Methods for the Examination of Water and Wastewater” (23<sup>rd</sup> Edition) except where otherwise indicated

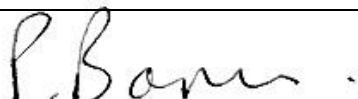
Determinand	Method Reference	Method Short Code
Colour @ 465nm	2120 B (modified)	COMP
Turbidity	2130 B (modified)	TMET
pH	4500-H B	PHM

**INORGANIC DETERMINANDS**

In accordance with methods indicated below:

Determinand	Method Reference	Method Short Code
Antimony	EPA 200.8	ICPMS
Arsenic	EPA 200.8	ICPMS

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**SCOPE OF ACCREDITATION**

Accreditation Number 798

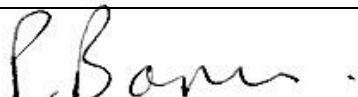
Barium	EPA 200.8	ICPMS
Boron	EPA 200.8	ICPMS
Bromate	EPA 300.1 (modified)	IC
Cadmium	EPA 200.8	ICPMS
Chlorate	EPA 300.1 (modified)	IC
Chlorine	4500-Cl G	DPDLC
Chlorite	EPA 300.1 (modified)	IC
Chromium	EPA 200.8	ICPMS
Copper	EPA 200.8	ICPMS
Cyanide (total)	4500-CN C (modified)	TCN
Cyanide (total)	4500-CN E (modified)	TCN
Cyanide (total)	ISO 14403: 2021(e)	TCN
Cyanide (WAD)	4500-CN O (modified)	CYWAD
Fluoride	4110 B (modified)	IC
Fluoride	4500-F C	ISE
Lead	EPA 200.8	ICPMS
Manganese	EPA 200.8	ICPMS
Mercury	EPA 245.7	CVAF
Molybdenum	EPA 200.8	ICPMS
Monochloramine	4500-Cl G	DPDLC
Nickel	EPA 200.8	ICPMS
Nitrate (as NO <sub>3</sub> )	4500- NO <sub>3</sub> I (modified)	CDRDFIA
Nitrate (as NO <sub>3</sub> )	4110 B (modified)	IC
Nitrate (as N)	4500-NO <sub>3</sub> I (modified)	CDRDFIA
Nitrate (as N)	4110 B (modified)	IC
Nitrite (as N)	4110 B (modified)	IC
Nitrite (as NO <sub>2</sub> )	4110 B (modified)	IC
Plumbosolvent water	EPA 200.8	ICPMS
Selenium	EPA 200.8	ICPMS
Uranium	EPA 200.8	ICPMS

### ORGANIC DETERMINANDS

In accordance with methods indicated below:

Determinand	Method Reference	Method Short Code
1,2-Dibromoethane	In-house	HSGCMS
1,2-Dichlorobenzene	In-house	HSGCMS
1,2-Dichloroethane	In-house	HSGCMS
1,2-Dichloroethene (cis/trans)	In-house	HSGCMS
1,2-Dichloropropane	In-house	HSGCMS
1,3-Dichloropropene	In-house	HSGCMS
1,4-Dichlorobenzene	In-house	HSGCMS
2,4,5-T	In-house	LCMSMS
2,4,6-Trichlorophenol	EPA 8270 D	LLEGCMS

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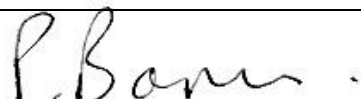
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2,4-D	In-house	LCMSMS
2,4-DB	In-house	LCMSMS
Acrylamide	In-house	LCMSMS
Alachlor	In-house	LLEGCMS
Aldicarb	In-house	LCMSMS
Aldrin/Dieldrin	EPA 8081 B	LLEGCECD
Aldrin/Dieldrin	In-house	LLEGCMS
Aldrin/Dieldrin	In-house	LLEGCMSMS
Atrazine	In-house	LLEGCMS
Azinphos-methyl	In-house	LLEGCMS
Benzene	In-house	HSGCMS
Benzo(a)pyrene	EPA 8270 D	LLEGCMS
Benzo(a)pyrene	In-house	LLEGCMSMS
Bromacil	In-house	LLEGCMS
Bromodichloromethane	In-house	HSGCMS
Bromoform	In-house	HSGCMS
Carbofuran	In-house	LLEGCMS
Carbon tetrachloride	In-house	HSGCMS
Chlordane	EPA 8081 B	LLEGCECD
Chlordane	In-house	LLEGCMS
Chlordane	In-house	LLEGCMSMS
Chloroform	In-house	HSGCMS
Chlorotoluron	In-house	LLEGCMS
Chlorpyrifos	In-house	LLEGCMS
Cyanazine	In-house	LLEGCMS
DDT and isomers	EPA 8081 B	LLEGCECD
DDT and isomers	In-house	LLEGCMS
DDT and isomers	In-house	LLEGCMSMS
Di(2-ethylhexyl)phthalate	EPA 8270 D	LLEGCMS
Dibromoacetonitrile	EPA 551.1	LLEGCMS
Dibromochloromethane	In-house	HSGCMS
Dichloroacetic acid	EPA 552.3	LLEGCMS
Dichloroacetonitrile	EPA 551.1	LLEGCMS
Dichloromethane	In-house	HSGCMS
Dichloroprop	In-house	LLEGCMS
Dimethoate	In-house	LLEGCMS
Diuron	In-house	LLEGCMS
EDTA	In-house	LLEGCMS
Endrin	EPA 8081 B	LLEGCECD
Endrin	In-house	LLEGCMS
Endrin	In-house	LLEGCMSMS
Ethylbenzene	In-house	HSGCMS
Fenoprop	In-house	LLEGCMS
Hexachlorobutadiene	In-house	HSGCMS
Hexazinone	In-house	LLEGCMS
Isoproturon	In-house	LCMSMS
Lindane	EPA 8081 B	LLEGCECD

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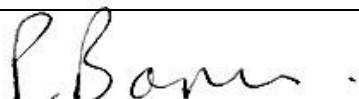
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Lindane	In-house	LLEGCMS
Lindane	In-house	LLEGCMSMS
MCPA	In-house	LCMSMS
Mecoprop	In-house	LCMSMS
Metalaxyl	In-house	LLEGCMS
Methoxychlor	EPA 8081 B	LLEGCECD
Methoxychlor	In-house	LLEGCMS
Methoxychlor	In-house	LLEGCMSMS
Metolachlor	In-house	LLEGCMS
Metribuzin	In-house	LLEGCMS
Microcystins	In-house	LCMSMS
Molinate	In-house	LLEGCMS
Monochloroacetic acid	EPA 552.3	LLEGCMS
Nodularins	In-house	LCMSMS
Oryzalin	In-house	LCMSMS
Oxadiazon	In-house	LLEGCMS
Pendimethalin	In-house	LLEGCMS
Pentachlorophenol	In-house	LCMSMS
Picloram	In-house	LCMSMS
Pirimiphos methyl	In-house	LLEGCMS
Primisulfuron methyl	In-house	LCMSMS
Procymidone	In-house	LLEGCMS
Propazine	In-house	LLEGCMS
Pyriproxifen	In-house	LLEGCMS
Simazine	In-house	LLEGCMS
Styrene	In-house	HSGCMS
Terbacil	In-house	LLEGCMS
Terbutylazine	In-house	LLEGCMS
Tetrachloroethene	In-house	HSGCMS
Thiabendazole	In-house	LLEGCMS
Toluene	In-house	HSGCMS
Trichloroacetic acid	EPA 552.3	LLEGCMS
Trichloroethene	In-house	HSGCMS
Triclopyr	In-house	LCMSMS
Trifluralin	In-house	LLEGCMS
Trihalomethanes	In-house	HSGCMS
Trihalomethanes	EPA 840 B (calc.)	Sum of MAV Ratios
Vinyl chloride	In-house	HSGCMS
Xylenes	In-house	HSGCMS

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