



Water Testing HB (2016) Limited

Client Number 9004

PO Box 2552, Stortford Lodge, Hastings, 4153
1105 Plunket Street, Saint Leonards, Hastings, 4120

Telephone 06 870-6449

www.watertestinghb.nz

Authorised Representative

Ms Cynthia Bowers
General Manager

Programme

Biological Testing Laboratory

Accreditation Number 1080

Initial Accreditation Date 11 February 2013

Conformance Standard

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

Laboratory Services Summary

Analysis

1.12 Waters

Sampling

1.12 Waters

Key Technical Personnel

Analysis

Mr Caleb Hart 1.12; selected

Mrs Robyn McDougal 1.12

Mr Alastair McSporrان 1.12

Mr Michael Olsen 1.12


Sampling

Ms Aania Anderson 1.12

Mr Caleb Hart 1.12

Mr Hugh MacMillan 1.12

Mr Alastair McSporrان 1.12

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Analysis

1.12 Waters

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

(a) Potable waters

<i>E. coli</i> - MF	9222 G
<i>E. coli</i> - Colilert-18 Quantitray (51 wells)	9223 B Colilert 18
<i>E. coli</i> - Colilert-18 Quantitray (97 wells)	9223 B Colilert 18
<i>E. coli</i> - Colilert Quantitray (51 wells)	9223 B Colilert
<i>E. coli</i> - Colilert Quantitray (97 wells)	9223 B Colilert
<i>E. coli</i> - P/A	9223 B Colilert 18
Enterococci (MF)	9230 C
Faecal coliforms - MF	9222 D
Heterotrophic Plate Count (35/22°C)	9215 B
Total coliforms - MF	9222 B
Total coliforms - Colilert-18 Quantitray (51 wells)	9223 B Colilert 18
Total coliforms - Colilert-18 Quantitray (97 wells)	9223 B Colilert 18
Total coliforms - Colilert Quantitray (51 wells)	9223 B
Total coliforms - Colilert Quantitray (97 wells)	9223 B
Total coliforms - P/A	9223 B Colilert 18

(b) Non-potable waters (e.g. receiving waters, ground waters)

<i>E. coli</i> - MF	9213 D
<i>E. coli</i> - MPN	9223B Colilert 18
Enterococci - MF	9230 C
Faecal coliforms - MF	9222 D
Total coliforms - MF	9222 B
Total coliforms - MPN	9223B Colilert 18

(d) Effluent and trade wastes

<i>E. coli</i> - MF	9222 I
Enterococci - MF	9230 C
Faecal coliforms - MF	9222 D

(f) Swimming and spa pools

<i>E. coli</i> - MPN	9223B Colilert 18
Faecal coliforms - MF	9222 D

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Heterotrophic plate count @ 37°C	9215 B
<i>Pseudomonas aeruginosa</i>	9213 E
<i>Staphylococcus aureus</i>	9213 B
Total coliforms - MPN	9223B Colilert 18

(g) Marine waters

<i>E. coli</i> - MF	9213 D
<i>E. coli</i> - MPN	9223B Colilert 18
Enterococci - MF	9230 C
Faecal coliforms - MF	9222 D


Sampling

1.12 Waters

- (a) Potable waters**
- (b) Non-potable waters (e.g. receiving waters, ground waters)**
- (d) Effluents and trade wastes**
- (f) Swimming and spa pools**
- (g) Marine waters**

In accordance with in-house methods based on the following:

- A National Protocol for State of the Environment Groundwater Sampling New Zealand.
- US Environmental Protection Agency August 2015, Science and Ecosystem Support Division "Operating Procedure: Field Equipment Cleaning and Decontamination".
- Pita. 2015. Sampling Instructions for USEPA 1623 (modified). Hopkirk Institute, Massey University, Palmerston North.
- Standard Methods for the Examination of Water and Wastewater 23rd Edition.

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