



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

Ms Sarah Hardie	1.12
Mrs Robyn McDougal	1.12
Mr Alastair McSporrان	1.12
Miss Kirstie Tucker	1.12; selected

Sampling

Ms Aania Anderson	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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