



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
Mr John Lumsden 1.12
Mr Michael Olsen 1.12

Sampling

Ms Aania Anderson 1.12
Mr Caleb Hart 1.12

Operations Manager
Authorisation:

Issue 23

Date: 17/11/20

Page 1 of 3



Water Testing HB (2016) Limited
 Biological Testing Laboratory
SCOPE OF ACCREDITATION

Accreditation Number 1080

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

(f) Swimming and spa pools

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

Operations Manager Authorisation:		Issue 23	Date:17/11/20	Page 2 of 3
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Water Testing HB (2016) Limited
 Biological Testing Laboratory
SCOPE OF ACCREDITATION

Accreditation Number 1080

(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 in New Zealand
- US Environmental Protection Agency August 2015, Science and Ecosystem Support Division
 "Operating Procedure: Field Equipment Cleaning and Decontamination"
- A. 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

Operations Manager Authorisation: 	Issue 23	Date: 17/11/20	Page 3 of 3
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