



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

Drinking Water Testing Laboratory

Accreditation Number 1081

Initial Accreditation Date 11 February 2013

Conformance Standard

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories
Drinking-Water Standards for New Zealand 2005 (Revised 2018)

Laboratory Services Summary

Analysis

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

Sampling

1.12 Sampling (Drinking Water only)

Key Technical Personnel

Analysis

Ms Aania Anderson	2.41
Ms Nina Deroles	2.41; selected
Mr Caleb Hart	1.12; selected, 2.41
Mr Hugh MacMillan	2.41
Mrs Robyn McDougal	1.12, 2.41; selected
Mr Alastair McSporrان	1.12; 2.41
Mr Michael Olsen	1.12, 2.41; selected

Sampling

Ms Aania Anderson	1.12, 2.41
Mr Caleb Hart	1.12, 2.41
Mr Hugh MacMillan	1.12, 2.41
Mr Alastair McSporrان	1.12, 2.41

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

Accreditation Number 1081

Analysis

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 2018)

1.12 Waters (NZ Drinking Water Standards - Microbiology)

(a) Potable waters

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

Determinand	Method Reference	Method Short Code
<i>E. coli</i> - MF	9222 G	MF
<i>E. coli</i> - Colilert P/A	9223 B	COLILE
<i>E. coli</i> - Colilert Quantitray (51 wells)	9223 B	ColiQT51
<i>E. coli</i> - Colilert Quantitray (97 wells)	9223 B	ColiQT
<i>E. coli</i> - Colilert-18 Quantitray (51 wells)	9223 B	Coli18QT51
<i>E. coli</i> - Colilert-18 Quantitray (97 wells)	9223 B	Coli18QT
Faecal coliforms - MF	9222 D	MF
Total coliforms - MF	9222 B	MF
Total coliforms - Colilert P/A	9223 B	COLILE
Total coliforms - Colilert Quantitray (51 wells)	9223 B	ColiQT51
Total coliforms - Colilert Quantitray (97 wells)	9223 B	ColiQT
Total coliforms - Colilert-18 Quantitray (51 wells)	9223 B	Coli18QT51
Total coliforms - Colilert-18 Quantitray (97 wells)	9223 B	Coli18QT

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” (23rd Edition) except where otherwise indicated

Determinand	Method Reference	Method Short Code
Free available chlorine	4500-Cl G	DPDPC
pH	4500-H B	PHM
Turbidity	2130 B	TMET

AESTHETIC DETERMINANDS

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In accordance with APHA Standard Methods for the Examination of Water and Wastewater (23rd Edition) except where otherwise indicated.

Determinand	Guideline Values (mg/L)	Method Reference	Method Short Code
Temperature		2550 B	THERM

Sampling

1.12 Waters

(a) Potable 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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