



Analytica Laboratories Ltd

Water Testing Hawke's Bay

Client Number 9004

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Telephone 06 870-6449

www.watertestinghb.nz

Authorised Representative

Ms Maya Hasegawa
Quality Manager
Private Bag 3345
Hamilton 3240
New Zealand

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 Waters (Microbiology)
2.41 Waters (Chemistry)

Key Technical Personnel

Analysis

Mrs Shirree Chenery	2.41; selected
Ms Leah Cooper	2.41; selected
Mr Trevor Dine	1.12, 2.41
Mrs Linzie du Plessis	1.12, 2.41; selected
Mr Alastair McSporran	2.41; selected

Sampling

Operations Manager
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CERTIFICATE OF ACCREDITATION



Mr Trevor Dine	1.12, 2.41
Mr Alastair McSporran	1.12, 2.41
Mr Hugh MacMillan	1.12, 2.41

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Analytica Laboratories Ltd
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
<i>E. coli</i> – Colilert Quantitray (51 wells)	9223 B
<i>E. coli</i> – Colilert Quantitray (97 wells)	9223 B
<i>E. coli</i> – Colilert-18 Quantitray (51 wells)	9223 B
<i>E. coli</i> – Colilert-18 Quantitray (97 wells)	9223 B
<i>E. coli</i> – MF	9222 G
Faecal coliforms – MF	9222 D
Total coliforms – Colilert Quantitray (51 wells)	9223 B
Total coliforms – Colilert Quantitray (97 wells)	9223 B
Total coliforms – Colilert-18 Quantitray (51 wells)	9223 B
Total coliforms – Colilert-18 Quantitray (97 wells)	9223 B
Total coliforms – MF	9222 B

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
Free available chlorine	4500-Cl G
pH	4500-H B
Turbidity	2130 B

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INORGANIC DETERMINANDS

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

Determinand	Method Reference
Bromate	EPA Method 300.1
Chlorate	EPA Method 300.1
Chlorite	EPA Method 300.1
Fluoride	4500-F ⁻ D: SPADNS Method
Perchlorate	EPA Method 300.1

AESTHETIC DETERMINANDS

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

Determinand	Method Reference
Temperature	2550 B

Sampling

1.12 Waters (Microbiology)

2.41 Waters (Chemistry)

(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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