#### Schedule to

## CERTIFICATE OF ACCREDITATION



**Client Number 9004** 

## **Analytica Laboratories Ltd**

Water Testing Hawke's Bay

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

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

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

Operations Manager Authorisation:

AGOPETRO

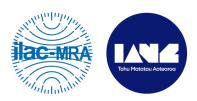
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## CERTIFICATE OF ACCREDITATION



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" (23<sup>rd</sup> Edition) except where otherwise indicated.

Determinand	Method Reference
E. coli – Colilert Quantitray (51 wells)	9223 B
E. coli - Colilert Quantitray (97 wells)	9223 B
E. coli - Colilert-18 Quantitray (51 wells)	9223 B
E. coli - Colilert-18 Quantitray (97 wells)	9223 B
E. coli – 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" (23<sup>rd</sup> Edition) except where otherwise indicated.

Determinand	Method Reference
Free available chlorine pH	4500-CI G 4500-H B
Turbidity	2130 B

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## CERTIFICATE OF ACCREDITATION



Analytica Laboratories Ltd Drinking Water Testing Laboratory SCOPE OF ACCREDITATION

**Accreditation Number 1081** 

### **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<sup>-</sup> D: SPADNS Method

Perchlorate EPA Method 300.1

#### **AESTHETIC DETERMINANDS**

In accordance with APHA "Standard Methods for the Examination of Water and Wastewater" (23<sup>rd</sup> 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 23<sup>rd</sup> Edition.

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