

CERTIFICATE OF ACCREDITATION



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Christchurch

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Authorised Representative

Mrs Debra McLachlan
SI Quality Assurance and Health and Safety Coordinator

Programme

Chemical Testing Laboratory

Accreditation Number 1016

Initial Accreditation Date 17 March 2009

Conformance Standard

ISO/IEC 17025:2017
General requirements for the competence of testing and calibration laboratories

Laboratory Services Summary

Asbestos

2.64 Asbestos

Food Chemistry

2.31 Foods

Water Chemistry

2.41 Waters

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 Chemical Testing Laboratory
SCOPE OF ACCREDITATION

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Asbestos

2.64 Asbestos

(a) Identification

Bulk identification of asbestos using polarised light microscopy (PLM)

AS4964:2004 Method for the Qualitative Identification of Asbestos in Bulk Samples

(b) Fibre Counts

Determination of air-borne asbestos fibre counts on membrane filters by light microscopy

National Occupational Health & Safety Commission: 3003(2005) Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres (2nd Ed)

Food Chemistry

2.31 Foods

- (a) Cereals and cereal products
- (c) Nuts, fruits and vegetables and derived products
- (d) Sauces, herbs, spice and condiments
- (e) Sugars and sugar confectionery
- (f) Dairy products
- (g) Meat, poultry and derived products
- (o) Other specified foods (baked goods)


Gluten (ELISA)

AOAC 2012.01

Water Chemistry

2.41 Waters

- (a) Potable waters
- (b) Non-potable waters

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(c) Sewage
(d) Effluents and trade wastes

The following tests are in accordance with APHA "Standard Methods for the Examination of Water and Wastewater" (Online Edition) except where otherwise indicated.

Acidity	2310 B (modified)
Alkalinity	2320 B (modified)
Biochemical Oxygen Demand (BOD)	5210 B (modified)
Biochemical Oxygen Demand (BOD)	In-house
Colour (spectrophotometer)	2120 C (modified)
Conductivity	2510 B
Chlorophyll <i>a</i> and pheophytin <i>a</i> by fluorometer (acidification and non-acidification methods)	10150 (modified)
Dissolved Oxygen	4500-O C
Fixed and volatile solids	2540 E (modified)
pH	4500-H ⁺ B (modified)
Settleable solids	2540 F
Solids - TDS 105 °C	2540 C (modified)
Total solids	2540 B (modified)
Total suspended solids	2540 D (modified)
Turbidity	2130 B (modified)
Turbidity	ISO 7027-1:2016 (modified)

(g) Marine waters

Colour (spectrophotometer)	2120 C (modified)
Conductivity	2510 B
Chlorophyll <i>a</i> and pheophytin <i>a</i> by fluorometer (acidification and non-acidification methods)	10150 (modified)
Fixed and volatile solids	2540 E
pH	4500-H ⁺ B (modified)
Total Suspended Solids	2540 D (modified)
Turbidity	2130 B (modified)
Turbidity	ISO 7027-1:2016 (modified)

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