



Hill Laboratories

Christchurch

Client Number 6706

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Telephone 0508 445-5522

www.hill-laboratories.com

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

Water Chemistry

2.41 Waters


Key Technical Personnel

Asbestos

Mr John Paglingayen 2.64(a)(b)
Mr Dexter Paguirigan 2.64(a)(b)
Mr Rhodri Williams 2.64(a)(b)

Water Chemistry

Ms Karyn Addison 2.41
Miss Xiaozheng (Nadia) Ni 2.41
Mr Craig Radford 2.41(selected)
Mrs Irina Zinoveva 2.41

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|--------------------------------------|---|----------|---------------|-------------|
| Operations Manager Authorisation: |  | Issue 39 | Date:24/10/23 | Page 1 of 3 |
|--------------------------------------|---|----------|---------------|-------------|



Hill Laboratories
 Chemical Testing Laboratory
SCOPE OF ACCREDITATION

Accreditation Number 1016

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)

Water Chemistry

2.41 Waters

- (a) Potable waters**
- (b) Non-potable waters**
- (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) | 10200H (modified) |
| Dissolved Oxygen | 4500-O C |
| Fixed and volatile solids | 2540 E (modified) |
| pH | 4500-H ⁺ B (modified) |
| Settleable solids | 2540 F |

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| Operations Manager Authorisation: | | Issue 39 | Date:24/10/23 | Page 2 of 3 |
|--------------------------------------|--|----------|---------------|-------------|



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|------------------------|----------------------------|
| 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 a and pheophytin a by fluorometer (acidification and non-acidification methods) | 10200H (modified) |

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Date:24/10/23

Page 3 of 3