

Laboratory Accreditation Programmes

Schedule to
CERTIFICATE OF ACCREDITATION

Hill Laboratories **Client No. 6706**
 Christchurch

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Fax

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
 NZS ISO/IEC 17025:2005
 General requirements for the competence of testing and calibration laboratories

Testing Services Summary

Asbestos
 2.04 Ores and Minerals
 2.58 Environmental Monitoring

Water Chemistry
 2.41 Waters

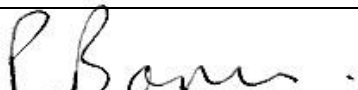
Key Technical Personnel

Asbestos

Mrs Livia Fioravanti	2.04, 2.58
Mr Dexter Paguirigan	2.04, 2.58
Mr Rhodri Williams	2.04, 2.58

Water Chemistry

Ms Karyn Addison	2.41
Miss Xiaozheng (Nadia) Ni	2.41
Mr Craig Radford	2.41

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 Chemical Testing Laboratory
SCOPE OF ACCREDITATION

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Asbestos

2.04 Ores and Minerals

(e) Minerals

Bulk identification of asbestos using polarised light microscopy (PLM)

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

2.58 Environmental Monitoring

(b) Air

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

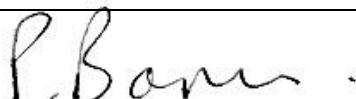
2.41 Waters

- (a) Potable waters**
- (b) Non-potable waters**
- (c) Sewage**
- (d) Effluents and trade wastes**
- (g) Marine waters**

The following tests are in accordance with APHA “Standard Methods for the Examination of Water and Wastewater” (22nd 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	2120 B
Conductivity	2510 B
Chlorophyll a by fluorometer (acidification and non-acidification methods)	10200H (modified)
Dissolved Oxygen	4500-O C
Fixed and volatile solids	2540 E

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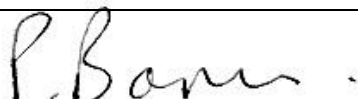
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Chemical Testing Laboratory

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pH	4500-H ⁺ B
Settleable solids	2540 F
Solids - TDS 105°C	2540 C (modified)
Total solids	2540 B
Total suspended solids	2540 D
Turbidity	2130 B

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