Laboratory Accreditation Programmes

Schedule to

CERTIFICATE OF ACCREDITATION

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Awanui Scientific **Client Number 1609**

PO Box 371, Mosgiel, 9053
Puddle Alley, RD 2, Mosgiel, 9092

Telephone 03 489-4600 **www.awanuiscientific.co.nz**

Authorised Representative
Mrs Bronwen Reid
Compliance Manager

Programme
Chemical Testing Laboratory

Accreditation Number 436 **Initial Accreditation Date** 10 February 1992

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

Laboratory Services Summary

General Chemistry

2.31	Foods
2.36	Agricultural Products and Agricultural Materials
2.61	Biological Specimens

Inorganics

2.31	Foods
2.61	Biological Specimens

Organics

2.31	Foods

IANZ; Building 7, Central Park, 660-670 Great South Road, Ellerslie, Auckland 1051
Private Bag 28908, Remuera, Auckland 1541
Tel 09-525 6655 info@ianz.govt.nz ***ianz.govt.nz***

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General Chemistry

2.31 Foods

The following tests in accordance with Association of Official Analytical Chemists, Official Methods of Analysis (online) except where otherwise indicated.

(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
(h) Fish and fish products
(i) Eggs and egg products
(l) Food additives and supplements (preservatives)
(o) Other specified foods

Total Sugars	R-Biopharm Enzymatic

(a) Cereals and cereal products

Protein (DUMAS)	990.03
Total Dietary fibre (Ankom automated)	991.43
Total Fat	Solvent Recovery Extractor for the Determination of Fats and Oil Instruction Manual (2000) page 18
Gluten	Hygiena GlutenTox ELISA

(c) Nuts, fruits, vegetables and derived products

Protein (DUMAS)	990.03
Total Dietary fibre (Ankom automated)	991.43

(e) Sugar and sugar confectionery

Protein (DUMAS)	990.03

(g) Meat, poultry and derived products

Ash	942.05
Carbohydrate	(by difference) FSANZ 1.2.8
Crude fat	In-house
Crude fibre	AOCS Ba 6a-05
Energy	(by calculation) FSANZ 1.2.8

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Gluten	Hygiena GlutenTox ELISA
Histamine	Perkin Elmer MaxSignal Histamine Enzymatic Assay
Moisture	950.46B
Pepsin digestion	971.09
Protein	981.10 (modified)
Protein (DUMAS)	990.03
Salt	937.09
Total Dietary fibre (Ankom automated)	991.43
Total Fat	In-house based on instrument manual
TVBN (Total volatile base nitrogen)	VELP Scientifica automatic Kjeldahl system

(h) Fish and fish products

Gluten	Hygiena GlutenTox ELISA
Histamine	Perkin Elmer MaxSignal Histamine Enzymatic Assay
Protein (DUMAS)	990.03
Salt	937.09
Total Fat	In-house based on instrument manual
Total Dietary fibre (Ankom automated)	991.43
TVBN (Total volatile base nitrogen)	VELP Scientifica automatic Kjeldahl system

2.36 Agricultural Products and Agricultural Materials

The following tests in accordance with Association of Official Analytical Chemists, Official Methods of Analysis (online) except where otherwise indicated.

(c) Stockfoods

Ash	942.05
Crude fat	960.39
Crude Fibre	AOCS Ba 6a-05
Moisture	950.46 B
Pepsin digestion	971.09
Protein	981.10 (modified)

2.61 Biological Specimens

(a) Residues in specified human specimens
(b) Residues in specified veterinary specimens

Vitamin A & E (plasma/serum)	HPLC-UV Bio-Rad Laboratories GmbH (2013, June) Ref 195-5869

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Inorganics

2.31 Foods

(a) Cereals and cereal products
(b) Edible oils, fats and their 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
(h) Fish and fish products
(i) Eggs and egg products
(l) Food additives and supplements
(o) Other specified foods

The following elements by In-house ICP-MS procedure:

Arsenic	Cadmium	Calcium	Chromium
Copper	Iron	Lead	Magnesium
Phosphorus	Selenium	Sodium	Zinc

(h) Fish and fish products

Mercury	AOAC 971.21 (hydride generation AAS) with in-house digestion

2.61 Biological Specimens

(a) Residues in specified human specimens
(b) Residues in specified veterinary specimens

Trace and heavy metals in sera/plasma/whole blood/tissue samples by In-house ICP-MS procedure:

Copper	Lead	Magnesium (serum/plasma only)	Selenium
Zinc			

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Organics

2.31 Foods

(o) Honey

Brix	Harmonised Methods of the International Honey Commission
Moisture	AOAC 969.38 (online edition)
Reducing Sugars	R-Biopharm Enzymatic

References:

AOAC	AOAC International
AOCS	American Oil Chemists Society

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