



School of Food and Advanced Technology

College of Science, Massey University

Client Number 7202

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Authorised Representative

Ms Fliss Jackson
 Manager, Nutrition Laboratory

Programme

Chemical Testing Laboratory

Accreditation Number 927

Initial Accreditation Date 22 November 2004

Conformance Standard

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

Laboratory Services Summary

2.31	Foods
2.36	Agricultural Products and Agricultural Materials
2.61	Biological Specimens

Key Technical Personnel

Mr Derek Body	2.31, 2.36, 2.61; selected
Mr Karl Dale	2.31, 2.36, 2.61; selected
Ms Wibha Desai	2.31, 2.36, 2.61; selected
Mrs Adrienne Portch	2.31, 2.36, 2.61; selected
Mrs Vilma Rodriguez	2.31; selected, 2.61; selected
Mrs Leiza Turnbull	2.31, 2.36, 2.61; selected

Operations Manager Authorisation:		Issue 28	Date: 15/08/22	Page 1 of 4
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SCOPE OF ACCREDITATION

2.31 Foods

- (a) Cereals and cereal products**
- (b) Edible oils, fats and their products**
- (c) Nuts, fruits and vegetables and derived products**
- (g) Meat, poultry and derived products**
- (k) Non-alcoholic beverages**
- (l) Food additives and supplements**

Acid detergent fibre (Fibertec)	AOAC 973.18
Amino acid profile (Acid stable)	AOAC 994.12
Amino acid profile (Cys/met)	AOAC 985.28
Ash (Feed)	AOAC 942.05
Ash (Flour)	AOAC 923.03
Ash (Meat)	AOAC 920.153/923.03
Calcium	AOAC 968.08D (prep) / colourimetric analysis
Crude fat (Soxhlet) (Grains, feed)	AOAC 2003.06 (excluding cooked cereals foods)
Crude fat (Soxhlet) (Meat)	AOAC 991.36
Crude fibre (Flour)	AOAC 962.09 (modified)
Crude fibre (Animal feed & pet food)	AOAC 978.10 (modified)
Crude protein (Combustion)	AOAC 968.06
Dry matter	Forage Trading Development Group Revision 1.0:2004
Dry matter	By calculation
Fatty Acids	In-house by GLC based on Sukhija & Palmquist, 1988, Journal Agricultural and Food Chemistry 36: 1202 - 1206
Freezing Point Depression (Osmolality)	Advanced Instruments Model 3D2
Gross energy	Bomb calorimeter
Lignin (Fibertec)	AOAC 973.18/2002.04
Moisture (Feed, forage)	AOAC 930.15/925.10
Moisture (Flour)	AOAC 925.10
Moisture (Meat)	AOAC 950.46B
Mojonnier fat (Flour)	AOAC 922.06
Mojonnier fat (Pet food)	AOAC 954.02
Neutral detergent fibre (Fibertec)	AOAC 2002.04
Nitrogen (Combustion)	AOAC 968.06
Starch	AOAC 996.11
Titanium dioxide	Animal Feed Science & Technology 1996:59.4
Titanium dioxide	British Journal of Nutrition 1992:68.3
Total dietary fibre	AOAC 991.43
Vitamin A (HPLC)	In house based on AOAC 974.29, 2001.13 (modified)
Vitamin E (HPLC)	In house based on AOAC 974.29, 2001.13 (modified)

(f) Dairy products

(milk powder, milk, yoghurt, cheese, colostrum, cream)

Operations Manager Authorisation:		Issue 28	Date:15/08/22	Page 2 of 4
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Freezing Point Depression (Osmolality)	Advanced Instruments Model 3D2
Mojonnier fat (Milk)	AOAC 989.05
Mojonnier fat (Cream)	AOAC 995.19
Total Solids	AOAC 990.19, 990.20 (modified)

2.36 Agricultural Products and Agricultural Materials

(c) Petfoods / Animal feeds

(h) Plants

Acid detergent fibre (Fibertec)	AOAC 973.18
Amino acid profile (Acid Stable)	AOAC 994.12
Amino acid profile (Cys/met)	AOAC 985.28
Ash (Feed)	AOAC 942.05
Ash (Flour)	AOAC 923.03
Ash (Meat)	AOAC 920.153/923.03
Calcium	AOAC 968.08D (prep) / Daytona analysis
Crude fat (Soxhlet) (Grains, feed)	AOAC 2003.06 (excluding cooked cereals foods)
Crude fat (Soxhlet) (Meat)	AOAC 991.36
Crude fibre (Flour)	AOAC 962.09 (modified)
Crude fibre (Animal feed & pet food)	AOAC 978.10 (modified)
Crude protein (Combustion)	AOAC 968.06
Dry matter	Forage Trading Development Group Revision 1.0:2004
Dry matter	By calculation
Fatty Acids	In-house by GLC based on Sukhija & Palmquist, 1988, Journal Agricultural & Food Chemistry 36: 1202 - 1206
Gross energy	Bomb calorimeter
Lignin (Fibertec)	AOAC 973.18/2002.04
Moisture (Feed, forage)	AOAC 930.15/925.10
Moisture (Flour)	AOAC 925.10
Moisture (Meat)	AOAC 950.46B
Neutral detergent fibre (Fibertec)	AOAC 2002.04
Nitrogen (Combustion)	AOAC 968.06
Phosphorus	AOAC 968.08D (prep) / In-house analysis method
Titanium dioxide	Animal Feed Science & Technology 1996:59.4
Titanium dioxide	British Journal of Nutrition 1992:68.3
Total dietary fibre	AOAC 991.43
Vitamin A (HPLC)	In house based on AOAC 974.29, 2001.13 (modified)
Vitamin E (HPLC)	In house based on AOAC 974.29, 2001.13 (modified)

(c) Petfoods / Animal feeds

Mojonnier fat (Flour)	AOAC 922.06
Mojonnier fat (Pet food)	AOAC 954.02
Starch	AOAC 996.11
Total solids (Dairy waste)	AOAC 990.19, 990.20 (modified)

Operations Manager Authorisation:		Issue 28	Date: 15/08/22	Page 3 of 4
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2.61 Biological Specimens

(c) Other chemical tests – Blood, urine, faecal samples, animal digesta samples, ground animal carcasses

Acid detergent fibre (Fibertec)	AOAC 973.18
Amino acid profile (Acid Stable)	AOAC 994.12
Amino acid profile (Cys/met)	AOAC 985.28
Ash (Feed)	AOAC 942.05
Ash (Flour)	AOAC 923.03
Ash (Meat)	AOAC 920.153/923.03
Calcium (excluding serum, plasma and urine)	AOAC 968.08D (prep) / Daytona analysis
Crude fat (Soxhlet) (Grains, feed)	AOAC 2003.06 (excluding cooked cereals foods)
Crude fat (Soxhlet) (Meat)	AOAC 991.36
Crude fibre	AOAC 962.09 (modified)
Crude fibre	AOAC 978.10 (modified)
Crude protein (Combustion)	AOAC 968.06
Dry matter	By calculation
Freezing Point Depression (Osmolality)	Advanced Instruments Model 3D2
Gross energy	Bomb calorimeter
Lignin (Fibertec)	AOAC 973.18/2002.04
Moisture (Feed, forage)	AOAC 930.15/925.10
Moisture (Flour)	AOAC 925.10
Moisture (Meat)	AOAC 950.46B
Mojonnier fat	AOAC 989.05
Mojonnier fat (Flour)	AOAC 922.06
Mojonnier fat (Pet food)	AOAC 954.02
Neutral detergent fibre (Fibertec)	AOAC 2002.04
Nitrogen (Combustion)	AOAC 968.06
Titanium dioxide	Animal Feed Science & Technology 1996:59.4
Titanium dioxide	British Journal of Nutrition 1992:68.3
Total dietary fibre	AOAC 991.43
Vitamin A (HPLC)	In house based on AOAC 974.29, 2001.13 (modified)
Vitamin E (HPLC)	In house based on AOAC 974.29, 2001.13 (modified)

References:

- AOAC AOAC International Official Methods of Analysis (Online Edition)
- ISO International Organisation for Standardisation

Operations Manager Authorisation:		Issue 28	Date: 15/08/22	Page 4 of 4
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