

CERTIFICATE OF ACCREDITATION



Nutrition Laboratory

College of Science, Massey University

Client Number 7202

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Authorised Representative

Ms Fliss Jackson
Quality 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

Operations Manager Authorisation:		Issue 32	Date:24/07/25	Page 1 of 4
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Nutrition Laboratory
 Chemical Testing Laboratory
SCOPE OF ACCREDITATION

Accreditation Number 927

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
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

(f) Dairy products

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

Freezing Point Depression (Osmolality)	Advanced Instruments Model 3D2
Lactose	Megazyme kit, AOAC 2006.06
Mojonnier fat (Milk)	AOAC 989.05
Mojonnier fat (Cream)	AOAC 995.19

Operations Manager Authorisation:		Issue 32	Date:24/07/25	Page 2 of 4
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Nutrition Laboratory
 Chemical Testing Laboratory
SCOPE OF ACCREDITATION

Accreditation Number 927

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
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 and 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

(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)

2.61 Biological Specimens

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

Operations Manager Authorisation:		Issue 32	Date:24/07/25	Page 3 of 4
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Nutrition Laboratory
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SCOPE OF ACCREDITATION

Accreditation Number 927

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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)
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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

References:

- AOAC AOAC International (Online Edition)
- ISO International Organization for Standardization

Operations Manager Authorisation:		Issue 32	Date:24/07/25	Page 4 of 4
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