

## LABORATORY REPORT

### AgEnviro Labs - South

<b>DATE OF ISSUE:</b>	7/03/24	<b>REPORT NO:</b>	R24-00291-[R01]
<b>DATE RECEIVED:</b>	27/02/2024	<b>SAMPLES RECEIVED:</b>	1X HAY MIX
<b>LABORATORY:</b>	FEED QUALITY SERVICE	<b>LABORATORY REF:</b>	R24-00291
<b>JOB MANAGER:</b>	RICHARD MEYER	<b>PURCHASE ORDER:</b>	

<b>SUBMITTER:</b>	MARK THOMAS	<b>COMPANY:</b>	MINTO PASTORAL CO
<b>ADDRESS:</b>			

**PIC:**  
**SUBMITTED ON BEHALF OF:** MARK THOMAS

METHOD ID	ANALYSIS METHOD	COMPLETION DATE
Reuter & Robinson 2.E.3; 2.E.4	Dry & Grind inc Dry Matter & Moisture	7/03/24
LMOP_2-1129	Forage Quality Parameters by NIR	7/03/24
LMOP_2-1124	Calculation of Metabolisable Energy	7/03/24
AFIA GRADING	*AFIA Hay & Silage Grade	7/03/24
LMOP_2-218*	*Determination of Nitrate by Flow Injection Analysis	7/03/24

**\*NATA Accreditation does not cover the performances of this service**

Results Finalised By:

Richard  
Meyer

Richard Meyer  
Feed Chemist  
Feed Quality Service



Accreditation No. 14949  
Accredited for compliance  
with ISO/IEC 17025 -  
Testing

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**ANALYSIS RESULTS**

Dry & Grind inc Dry Matter & Moisture			1
	LOR	UNITS	Vetch/Wheat/Rye
Dry Matter (DM)	0.5	%	92.3
Moisture	0.5	%	7.7

Approved by:

Richard Meyer  
 Richard Meyer  
 Feed Chemist  
 Feed Quality Service


Standard Forage Package - NIR			1
	LOR	UNITS	Vetch/Wheat/Rye
Neutral Detergent Fibre (NDF) - NIR	10	%	54.2
Acid Detergent Fibre (ADF) - NIR	4.0	%	29.1
Crude Protein (CP) - NIR	2	%	11.7
Inorganic Ash - NIR	3.0	%	9.8
Organic Matter (OM) - NIR		%	90.2
Dry Matter Digestibility (DMD) - NIR	39	%	64.0
DOMD - NIR	38	%	60.1
Calculation of Metabolisable Energy (ME) - NIR	4.3	MJ/kg DM	9.2
Water Soluble Carbohydrates (WSC) - NIR	4	%	9.9

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Standard Forage Package - NIR		1
LOR	UNITS	Vetch/Wheat/Rye
AFIA Hay and Silage Grade		NO GRADE

Approved by:

Richard Meyer   
Richard Meyer  
Feed Chemist  
Feed Quality Service

Additional Tests		1
LOR	UNITS	Vetch/Wheat/Rye
Nitrate (as NO <sub>3</sub> )	2 mg/kg	355

Approved by:

Richard Meyer   
Richard Meyer  
Feed Chemist  
Feed Quality Service

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## ATTACHMENTS

SubmissionForm2024-02-27\_075234.pdf, 1\_FQS\_Information\_Attachment.pdf,  
Red\_Imported\_Fire\_Ants\_Advice\_FAQ.pdf, 2\_Nitrate\_Guidelines.pdf

## LABORATORY COMMENTS

This is the final report including the completed wet chemistry nitrate/nitrite analyses.

For guidelines on the use of feeds with known nitrate content, please refer to the table on page 8 of the attached document: 2. Nitrate Guidelines.pdf

This report is version 01, 7/03/24 and replaces any previous reports.

## NOTE

- I. AFIA Grading is calculated using the 95% coverage probability for the expanded uncertainty of the measurement of results for crude protein (CP) and metabolisable energy (ME). Where there is sufficient doubt that a test sample has complied with a particular grade, then a range of grades are quoted to ensure sufficient accuracy in the reporting.
- II. All results are reported on a dry matter basis unless otherwise stated. All units of % are g/100g equivalent.
- III. The results apply to the samples as provided to the laboratory.
- IV. LOR = Limit of Reporting, the minimum quantity that can be reported with confidence.
- V. Information supplied by the submitter may be transcribed from the Submission Form attached to this report. Validity of results is dependent on supplied information being correct.
- VI. The laboratory report shall not be reproduced except in full without approval of the laboratory