

REPORT NO.
C23069-30001

A&L CANADA LABORATORIES INC.



ACCOUNT NUMBER
01541

2136 Jetstream Rd, London, ON, N5V 3P5 Tel (519) 457-2575 Fax: (519) 457-2664

TO: MAD BARN INC
38 MEADOWCLIFF PLACE
PETERBURG, ON N0B 2H0

FOR: THE OHIO STATE UNIVERSITY

Phone: 519-546-1795
Fax: 833-623-2276

CERTIFICATE OF ANALYSIS

PAGE: 35 / 72

LAB NUMBER: 693019

SAMPLE ID: 18

SAMPLE MATRIX: Pelleted Feed

SAMPLE CUT:

TEST CODE: FMB1

DATE SAMPLED: 2023-01-26

DATE RECEIVED: 2023-03-10

DATE REPORTED: 2023-03-20

DATE PRINTED: 2023-03-20

PARAMETER	RESULTS		UNIT	METHOD
	AS FED	DRY		
DRY MATTER				
Moisture	12.15	0.00	%	AOAC 930.15
Dry Matter	87.85	100.00	%	Calculation
PROTEIN				
Crude Protein	11.87	13.51	%	AOAC 990.03
Soluble Crude Protein	41.38	41.38	% of CP	Wet Chemistry
ADF-CP	0.70	0.80	%	Wet Chemistry
NDF-CP	1.90	2.16	%	Wet Chemistry
UIP (Bypass Protein)	29.31	29.31	Est % CP	Wet Chemistry
FIBRES				
Acid Detergent Fibre	20.08	22.86	%	Wet Chemistry
Neutral Detergent Fibre	37.68	42.89	%	Wet Chemistry
Total Digestible Nutrients	62.45	71.09	%	Calculation
Lignin	2.46	2.80	%	Wet Chemistry
ENERGY				
NE Lactation	1.43	1.63	MCal/Kg	Calculation
NE Gain	0.92	1.05	MCal/Kg	Calculation
NE Maintenance	1.55	1.77	MCal/Kg	Calculation
MINERALS				
Calcium	1.52	1.73	%	Wet Chemistry *
Chloride	0.47	0.53	%	ISE
Copper	38.23	43.52	ug/g	Wet Chemistry
Phosphorus	0.66	0.75	%	Wet Chemistry *
Potassium	1.07	1.22	%	Wet Chemistry
Sulphur	0.15	0.17	%	Wet Chemistry *
Magnesium	0.32	0.36	%	Wet Chemistry
Zinc	153.85	175.13	ug/g	Wet Chemistry *
Iron	327.65	372.96	ug/g	Wet Chemistry *
Cobalt	BDL		ug/g	ICP
Manganese	199.15	226.69	ug/g	Wet Chemistry *
Sodium	0.33	0.38	%	Wet Chemistry
CALCULATION				
Relative Feed Value	154.19	154.19		Calculation
OTHER				
Starch	12.20	13.89	%	Wet Chemistry
Crude Fat	2.74	3.12	%	AOCS Am5-04

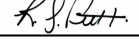
* - accredited test

BDL - Not Detected



C23069-30001

The results of this report relate to the sample submitted and analyzed. All results are released based on acceptable QC data.

Results Authorized By: 
Ron Piett, Feed & Forages Specialist

A&L Canada Laboratories Inc. is accredited by the Standards Council of Canada for specific tests as listed on www.scc.ca and by the Canadian Association for Laboratory Accreditation as listed on www.cala.ca

Additional information available upon request

This Certificate of Analysis has been prepared for use by the Recipient only. Possession of this Certificate of Analysis, does not carry with it the right to reproduction or publication in whole or in part nor may it be used by anyone other than the Recipient without the prior written consent and approval of A & L Canada Laboratories Inc. ("A&L Canada"). Upon receipt of this Certificate of Analysis by the Recipient from A&L Canada, A&L Canada shall not be responsible for and no claim shall be advanced against A&L Canada as a result of the unauthorized reproduction, use or distribution of this Certificate of Analysis.

REPORT NO.
C23069-30001

ACCOUNT NUMBER
01541

A&L CANADA LABORATORIES INC.

2136 Jetstream Rd, London, ON, N5V 3P5 Tel (519) 457-2575 Fax: (519) 457-2664



TO: MAD BARN INC
38 MEADOWCLIFF PLACE
PETERBURG, ON N0B 2H0

FOR: THE OHIO STATE UNIVERSITY

Phone: 519-546-1795
Fax: 833-623-2276

CERTIFICATE OF ANALYSIS

PAGE: 36 / 72

LAB NUMBER: 693019

SAMPLE ID: 18

SAMPLE MATRIX: Pelleted Feed

SAMPLE CUT:

TEST CODE: FMB1

DATE SAMPLED: 2023-01-26

DATE RECEIVED: 2023-03-10

DATE REPORTED: 2023-03-20

DATE PRINTED: 2023-03-20

PARAMETER	RESULTS		UNIT	METHOD
	AS FED	DRY		
ESC (Simple Sugar)	3.51	3.9971	%	Wet Chemistry
Molybdenum	2.42	2.76	ug/g	Wet Chemistry *
Selenium	BDL		ug/g	EPA 3050/6010 (mod) *
NFC	28	32.16	%	
Ash	7.31	8.32	%	

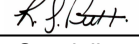
* - accredited test

BDL - Not Detected



C23069-30001

The results of this report relate to the sample submitted and analyzed. All results are released based on acceptable QC data.

Results Authorized By: 
Ron Piett, Feed & Forages Specialist

A&L Canada Laboratories Inc. is accredited by the Standards Council of Canada for specific tests as listed on www.scc.ca and by the Canadian Association for Laboratory Accreditation as listed on www.cala.ca

Additional information available upon request

This Certificate of Analysis has been prepared for use by the Recipient only. Possession of this Certificate of Analysis, does not carry with it the right to reproduction or publication in whole or in part nor may it be used by anyone other than the Recipient without the prior written consent and approval of A & L Canada Laboratories Inc. ("A&L Canada"). Upon receipt of this Certificate of Analysis by the Recipient from A&L Canada, A&L Canada shall not be responsible for and no claim shall be advanced against A&L Canada as a result of the unauthorized reproduction, use or distribution of this Certificate of Analysis.