

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: 7 / 72

LAB NUMBER: 693005

SAMPLE ID: 4

SAMPLE MATRIX: Pelleted Feed

SAMPLE CUT:

TEST CODE: FMB1

DATE SAMPLED: 2023-01-24

DATE RECEIVED: 2023-03-10

DATE REPORTED: 2023-03-20

DATE PRINTED: 2023-03-20

PARAMETER	RESULTS		UNIT	METHOD
	AS FED	DRY		
<b>DRY MATTER</b>				
Moisture	11.58	0.00	%	AOAC 930.15
Dry Matter	88.42	100.00	%	Calculation
<b>PROTEIN</b>				
Crude Protein	32.45	36.70	%	AOAC 990.03
Soluble Crude Protein	23.30	23.30	% of CP	Wet Chemistry
ADF-CP	BDL		%	Wet Chemistry
NDF-CP	2.28	2.58	%	Wet Chemistry
UIP ( Bypass Protein)	38.35	38.35	Est % CP	Wet Chemistry
<b>FIBRES</b>				
Acid Detergent Fibre	7.44	8.42	%	Wet Chemistry
Neutral Detergent Fibre	16.53	18.70	%	Wet Chemistry
Total Digestible Nutrients	72.81	82.34	%	Calculation
Lignin	0.87	0.98	%	Wet Chemistry
<b>ENERGY</b>				
NE Lactation	1.68	1.90	MCal/Kg	Calculation
NE Gain	1.22	1.38	MCal/Kg	Calculation
NE Maintenance	1.86	2.10	MCal/Kg	Calculation
<b>MINERALS</b>				
Calcium	3.07	3.47	%	Wet Chemistry *
Chloride	0.63	0.71	%	ISE
Copper	208.60	235.92	ug/g	Wet Chemistry
Phosphorus	1.56	1.76	%	Wet Chemistry *
Potassium	1.63	1.84	%	Wet Chemistry
Sulphur	0.34	0.39	%	Wet Chemistry *
Magnesium	1.09	1.23	%	Wet Chemistry
Zinc	435.25	492.25	ug/g	Wet Chemistry *
Iron	616.00	696.68	ug/g	Wet Chemistry *
Cobalt	2.1	2.36	ug/g	ICP
Manganese	472.80	534.72	ug/g	Wet Chemistry *
Sodium	0.37	0.42	%	Wet Chemistry
<b>CALCULATION</b>				
Relative Feed Value	409.60	409.60		Calculation
<b>OTHER</b>				
Starch	3.96	4.48	%	Wet Chemistry
Crude Fat	4.09	4.62	%	AOCS Am5-04

\* - accredited test

BDL - Not Detected



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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

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PARAMETER	RESULTS		UNIT	METHOD
	AS FED	DRY		
ESC (Simple Sugar)	8.60	9.7284	%	Wet Chemistry
Molybdenum	7.00	7.92	ug/g	Wet Chemistry *
Selenium	2.62	2.96	ug/g	EPA 3050/6010 (mod) *
NFC	20	22.64	%	
Ash	15.33	17.34	%	

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Ron Piett, Feed & Forages Specialist

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