

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: 41 / 72

LAB NUMBER: 693022

SAMPLE ID: 21

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	10.80	0.00	%	AOAC 930.15
Dry Matter	89.20	100.00	%	Calculation
PROTEIN				
Crude Protein	14.65	16.42	%	AOAC 990.03
Soluble Crude Protein	44.21	44.21	% of CP	Wet Chemistry
ADF-CP	0.80	0.90	%	Wet Chemistry
NDF-CP	2.34	2.62	%	Wet Chemistry
UIP (Bypass Protein)	27.90	27.90	Est % CP	Wet Chemistry
FIBRES				
Acid Detergent Fibre	17.69	19.83	%	Wet Chemistry
Neutral Detergent Fibre	32.04	35.92	%	Wet Chemistry
Total Digestible Nutrients	65.52	73.45	%	Calculation
Lignin	3.83	4.29	%	Wet Chemistry
ENERGY				
NE Lactation	1.51	1.69	MCal/Kg	Calculation
NE Gain	1.00	1.12	MCal/Kg	Calculation
NE Maintenance	1.64	1.84	MCal/Kg	Calculation
MINERALS				
Calcium	1.29	1.45	%	Wet Chemistry *
Chloride	0.58	0.65	%	ISE
Copper	51.20	57.40	ug/g	Wet Chemistry
Phosphorus	0.78	0.87	%	Wet Chemistry *
Potassium	1.04	1.17	%	Wet Chemistry
Sulphur	0.21	0.24	%	Wet Chemistry *
Magnesium	0.34	0.38	%	Wet Chemistry
Zinc	199.45	223.60	ug/g	Wet Chemistry *
Iron	359.75	403.31	ug/g	Wet Chemistry *
Cobalt	1.1	1.25	ug/g	ICP
Manganese	161.95	181.56	ug/g	Wet Chemistry *
Sodium	0.40	0.45	%	Wet Chemistry
CALCULATION				
Relative Feed Value	190.22	190.22		Calculation
OTHER				
Starch	13.62	15.27	%	Wet Chemistry
Crude Fat	5.10	5.72	%	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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ESC (Simple Sugar)	4.26	4.7767	%	Wet Chemistry
Molybdenum	2.05	2.30	ug/g	Wet Chemistry *
Selenium	BDL		ug/g	EPA 3050/6010 (mod) *
NFC	29	32.17	%	
Ash	8.71	9.77	%	

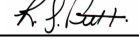
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