

REPORT NO.
C23069-30001

A&L CANADA LABORATORIES INC.



ACCOUNT NUMBER
01541

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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: 21 / 72

LAB NUMBER: 693012

SAMPLE ID: 11

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		
DRY MATTER				
Moisture	12.94	0.00	%	AOAC 930.15
Dry Matter	87.06	100.00	%	Calculation
PROTEIN				
Crude Protein	15.43	17.72	%	AOAC 990.03
Soluble Crude Protein	40.41	40.41	% of CP	Wet Chemistry
ADF-CP	0.64	0.74	%	Wet Chemistry
NDF-CP	1.88	2.16	%	Wet Chemistry
UIP (Bypass Protein)	29.80	29.80	Est % CP	Wet Chemistry
FIBRES				
Acid Detergent Fibre	13.59	15.61	%	Wet Chemistry
Neutral Detergent Fibre	28.36	32.58	%	Wet Chemistry
Total Digestible Nutrients	66.81	76.74	%	Calculation
Lignin	2.37	2.72	%	Wet Chemistry
ENERGY				
NE Lactation	1.54	1.77	MCal/Kg	Calculation
NE Gain	1.06	1.22	MCal/Kg	Calculation
NE Maintenance	1.69	1.94	MCal/Kg	Calculation
MINERALS				
Calcium	1.16	1.33	%	Wet Chemistry *
Chloride	0.49	0.56	%	ISE
Copper	86.55	99.41	ug/g	Wet Chemistry
Phosphorus	0.77	0.88	%	Wet Chemistry *
Potassium	1.24	1.42	%	Wet Chemistry
Sulphur	0.29	0.33	%	Wet Chemistry *
Magnesium	0.46	0.53	%	Wet Chemistry
Zinc	296.45	340.51	ug/g	Wet Chemistry *
Iron	647.00	743.16	ug/g	Wet Chemistry *
Cobalt	BDL		ug/g	ICP
Manganese	260.00	298.64	ug/g	Wet Chemistry *
Sodium	0.39	0.45	%	Wet Chemistry
CALCULATION				
Relative Feed Value	219.11	219.11		Calculation
OTHER				
Starch	12.32	14.15	%	Wet Chemistry
Crude Fat	6.14	7.05	%	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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	AS FED	DRY		
ESC (Simple Sugar)	9.63	11.0671	%	Wet Chemistry
Molybdenum	1.99	2.29	ug/g	Wet Chemistry *
Selenium	BDL		ug/g	EPA 3050/6010 (mod) *
NFC	29	33.30	%	
Ash	8.14	9.35	%	

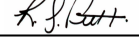
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