



CUMBERLAND VALLEY ANALYTICAL SERVICES

"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: HUBKA FARMS LTD
Desc: 20211 2 CUT TIMOTHY
Submitter: HUBKA, CALE
Account: HUBKA FARMS LTD

Copies to: WHITTLE, CHRIS

Lab ID: 29351 046
Sampled: 10/03/2020
Arrived: 10/13/2020
Completed: 10/14/2020
Reported: 10/14/2020

20211 2 CUT TIMOTHY

SAMPLE INFORMATION

Lab ID: 29351 046 Version: 1.0
Crop Year: 2020 Series:
Feed Type: TIMOTHY FORAGE Cutting#: 2
Package: BASIC NIR

NIR ANALYSIS RESULTS

Moisture 12.0
Dry Matter 88.0

PROTEINS

	% SP	% CP	% DM
Crude Protein			11.4
Adjusted Protein			11.4
Soluble Protein		30.0	3.4
Ammonia (CPE)	14.9	4.5	0.51
ADF Protein (ADICP)		6.8	0.77
NDF Protein (NDICP)		24.2	2.76
NDR Protein (NDRCP)			
Rumen Degr. Protein		65.0	7.4
Amino Acid Protein, Total			

FIBER

	% NDF	% DM
ADF	57.8	31.1
aNDF		53.8
aNDFom		51.5
NDR (NDF w/o sulfite)		
Crude Fiber		
Lignin	5.97	3.21
NDF Digestibility (12 hr)		
NDF Digestibility (24 hr)		
NDF Digestibility (30 hr)		
NDF Digestibility (72 hr)		
NDF Digestibility (120 hr)		
NDF Digestibility (240 hr)		
uNDF (12 hr)		
uNDF (30 hr)		
uNDF (120 hr)		
uNDF (240 hr)		

CARBOHYDRATES

	% Starch	% NFC	% DM
Ethanol Soluble CHO (ESC-Sugar)		45.4	12.2
Water Soluble CHO (WSC-Sugar)			16.3
Starch	7.8		2.1
Soluble Starch			
Soluble Fiber			
Starch Dig. (7 hr, 4 mm)			
Crude Fat			2.89
Fatty Acids, Total			
C16:0			
C18:0			
C18:1			
C18:2			
C18:3			
Unsaturated Fatty Acids (RUFAL)			
Fatty Acids (%Fat)			

Values in bold were analyzed by wet chemistry methods.

MINERALS

Ash (%DM)	7.74
Calcium (%DM)	0.39
Phosphorus (%DM)	0.22
Magnesium (%DM)	0.17
Potassium (%DM)	2.11
Sulfur (%DM)	
Sodium (%DM)	
Chloride (%DM)	
Iron (PPM)	
Manganese (PPM)	
Zinc (PPM)	
Copper (PPM)	
Molybdenum (PPM)	

ENERGY & INDEX CALCULATIONS

TDN (%DM)	64.4
Net Energy Lactation (Mcal/lb)	0.66
Net Energy Maintenance (Mcal/lb)	0.70
Net Energy Gain (Mcal/lb)	0.43
ME (Mcal/lb)	1.1
AA Protein as % of Total Protein	
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)	
NDF Dig. Rate (Kd, %HR, uNDF)	6.0
Starch Dig. Rate (Kd, %HR, Mertens)	
Relative Feed Value (RFV)	112
Relative Forage Quality (RFQ)	
Milk per Ton (lbs/ton)	
Dig. Organic Matter Index (lbs/ton)	
Non Fiber Carbohydrates (%DM)	27.0
Non Structural Carbohydrates (%DM)	14.3
DCAD (meq/100gdm)	
Summative Index % (Mass Balance)	

Additional sample information, submitted documents and lab pictures linked to QR code



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