

Account No. : 31810

NIR Analysis Report

LYTLE, RUSTY
22781 CROOKED CREEK RD
WALL SD 57790

Invoice No. : 1411848
Date Received : 09/18/2023
Date Reported : 09/20/2023

Lab Number : 10784

Results For : RUSTY LYTLE
Sample ID : 1 3RD CUT 164
Description : ALFALFA

	Analysis As Received	Analysis Dry Basis
Moisture, %	14.35	0.00
Dry Matter, %	85.65	100.00
PROTEIN		
Crude Protein, %	17.1	20.0
FIBERS		
Acid Detergent Fiber, %	23.6	27.5
Neutral Detergent Fiber, %	28.5	33.2
NDFD (digestibility) 48 hr, % of NDF		53
IVTDMD (in vitro true digestibility) 48 hr, %	72.4	84.5
ENERGIES		
TDN Est., %	52.8	61.7
Net Energy Lact, MCal/lb	0.5407	0.6312
Net Energy Maint, MCal/lb	0.5316	0.6206
Net Energy Gain, MCal/lb	0.3067	0.3580
QUALITY VALUE		
Relative Feed Value		189
Relative Forage Quality		206
MINERALS		
Calcium, % Ca	0.98	1.14
Phosphorus, % P	0.22	0.26
Potassium, % K	2.48	2.89
Magnesium, % Mg	0.30	0.35
Ash, %	8.70	10.16
OTHER ANALYSIS		
Fat, %	1.8	2.1
Starch, %	0.2	0.2
Lignin, %	5.44	6.35
Non Fiber Carbohydrates, %	31.3	36.5
Ethanol-Soluble Carbohydrates, %	6.1	7.1
Water-Soluble Carbohydrates, %	7.7	8.9

Sample was resplit and rescanned. Moisture was corrected. Sorry for the inconvenience. Rebecca

Reviewed By : Rebecca Kern

9/26/2023

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Ag Testing - Consulting

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Invoice No. : 1411848
Date Received : 09/18/2023
Date Reported : 09/20/2023

Lab Number : 10787

Results For : RUSTY LYTLE
Sample ID : 3 3RD CUT 192
Description : ALFALFA

	Analysis As Received	Analysis Dry Basis
Moisture, %	12.82	0.00
Dry Matter, %	87.18	100.00
PROTEIN		
Crude Protein, %	16.8	19.3
FIBERS		
Acid Detergent Fiber, %	28.1	32.3
Neutral Detergent Fiber, %	33.2	38.1
NDFD (digestibility) 48 hr, % of NDF		41
IVTDMD (in vitro true digestibility) 48 hr, %	68.4	78.4
ENERGIES		
TDN Est., %	50.7	58.1
Net Energy Lact, MCal/lb	0.5159	0.5917
Net Energy Maint, MCal/lb	0.4943	0.5670
Net Energy Gain, MCal/lb	0.2695	0.3092
QUALITY VALUE		
Relative Feed Value		156
Relative Forage Quality		151
MINERALS		
Calcium, % Ca	1.10	1.26
Phosphorus, % P	0.20	0.23
Potassium, % K	2.17	2.49
Magnesium, % Mg	0.25	0.29
Ash, %	7.62	8.74
OTHER ANALYSIS		
Fat, %	1.4	1.6
Starch, %	0.0	0.0
Lignin, %	7.10	8.14
Non Fiber Carbohydrates, %	29.9	34.2
Ethanol-Soluble Carbohydrates, %	5.7	6.6
Water-Soluble Carbohydrates, %	7.1	8.2

Sample was resplit and rescanned. Moisture was corrected. Sorry for the inconvenience. Rebecca

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