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Sample Date: 2024-09-23
Sample No.: 003-2409-1633145

To: Steffes Auctioneers
24400 MN Hwy 22 South
Litchfield, MN 55355

Account No.: 953 (0)
Sampled By: Steffes Auctioneers
Sampled For: STEFFES AUCTION

Product: 4550
Lot Name:

Test Mode: N8
Feed Type: Hay - Grass
Sub Type: Mixed

Moisture	11.62%		
Dry Matter	88.38%		
		Dry Basis	90% Range*
Crude Protein	%DM	8.22	4.95 - 16.5
AD-ICP	%DM	1.57	0.62 - 1.79
ND-ICP w/SS	%DM	4.33	1.29 - 4.68
Protein Sol.	%CP	25.67	8.61 - 48.9
ADF	%DM	45.10	31.8 - 50.2
aNDF	%DM	72.50	53.7 - 70.7
aNDFom	%DM	67.82	51.3 - 67.4
Lignin (Sulfuric Acid)	%DM	7.45	3.94 - 9.40
Lignin	%NDFom	10.98	
NDFD 30	%NDFom	33.34	39.8 - 61.4
NDFD240	%NDFom	52.92	59.9 - 76.4
uNDFom30	%DM	45.21	21.6 - 39.3
uNDFom240	%DM	31.93	13.3 - 26.0
Starch	%DM	2.32	0.25 - 7.32
Fat (EE)	%DM	2.10	1.58 - 3.71
TFA (fat)	%DM	0.62	0.49 - 2.17
Ash	%DM	11.74	6.12 - 13.0
Calcium	%DM	0.44	0.25 - 1.15
Phosphorus	%DM	0.14	0.11 - 0.35
Magnesium	%DM	0.25	0.12 - 0.33
Potassium	%DM	1.10	0.69 - 3.03
Sulfur	%DM	0.16	0.07 - 0.25
Chloride	%DM	0.35	0.07 - 0.89
Sugar (ESC)	%DM	7.25	2.16 - 10.4
Sugar (WSC)	%DM	10.43	3.29 - 12.9

*Mixed grass hay statistics provided for comparison.

NDF kd rate Van Amb	%/hr	1.89		
NDF kd rate MIR_P1	%/hr	3.37		
		ADF	OARDC	MLK 2013
TDN		53.77	47.48	36.26
Nel 3x	Mcal/cwt	54.50	47.42	46.84
Neg	Mcal/cwt	21.03	14.84	
Nem	Mcal/cwt	45.99	39.38	22.04
Milk per ton	lbs/ton			1539

Calculations

Adjusted Crude Protein	%DM	7.02
NFC	%DM	14.93
NSC	%DM	12.75
RFV		69.19
RFQ		69.06

Comment: No Charge-Auction