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Sample Date: 2024-04-22
Sample No.: 003-2404-1430646

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

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

Product: 4180

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

Moisture	12.79%		
Dry Matter	87.21%		
		Dry Basis	90% Range*
Crude Protein	%DM	13.77	4.95 - 16.5
AD-ICP	%DM	1.47	0.62 - 1.79
ND-ICP w/SS	%DM	4.65	1.29 - 4.68
Protein Sol.	%CP	37.11	8.61 - 48.9
ADF	%DM	39.29	31.8 - 50.2
aNDF	%DM	59.04	48.2 - 72.7
aNDFom	%DM	57.29	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	5.92	3.94 - 9.40
Lignin	%NDFom	10.33	
NDFD 30	%NDFom	50.81	36.2 - 65.5
NDFD240	%NDFom	65.82	52.4 - 80.6
uNDFom30	%DM	28.18	14.7 - 40.9
uNDFom240	%DM	19.58	10.3 - 30.4
Starch	%DM	1.25	0.25 - 7.32
Fat (EE)	%DM	2.63	1.58 - 3.71
TFA (fat)	%DM	1.05	0.49 - 2.17
Ash	%DM	8.86	6.12 - 13.0
Calcium	%DM	0.84	0.25 - 1.15
Phosphorus	%DM	0.25	0.11 - 0.35
Magnesium	%DM	0.29	0.12 - 0.33
Potassium	%DM	1.93	0.69 - 3.03
Sulfur	%DM	0.19	0.07 - 0.25
Chloride	%DM	0.57	0.07 - 0.89
Sugar (ESC)	%DM	6.81	2.16 - 10.4
Sugar (WSC)	%DM	8.30	3.29 - 12.9

NDF kd rate MIR_P1	%/hr	5.01		
		ADF	OARDC	MLK 2013
TDN		58.29	56.51	55.14
Nel 3x	Mcal/cwt	59.54	57.48	61.46
Neg	Mcal/cwt	28.38	30.05	28.52
Nem	Mcal/cwt	53.93	55.75	54.08
Milk per ton	lbs/ton			2678

*Mixed grass hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	13.62
NFC	%DM	22.68
NSC	%DM	9.55
RFV		91.73
RFQ		121.62
NDF kd rate Van Amb	%/hr	3.36