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Sample Date: 2024-04-22
Sample No.: 003-2404-1430649

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

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

Product: 4184

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

Moisture	11.95%		
Dry Matter	88.05%		
		Dry Basis	90% Range*
Crude Protein	%DM	12.48	4.95 - 16.5
AD-ICP	%DM	1.28	0.62 - 1.79
ND-ICP w/SS	%DM	4.29	1.29 - 4.68
Protein Sol.	%CP	33.09	8.61 - 48.9
ADF	%DM	40.13	31.8 - 50.2
aNDF	%DM	62.54	48.2 - 72.7
aNDFom	%DM	59.45	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	5.04	3.94 - 9.40
Lignin	%NDFom	8.48	
NDFD 30	%NDFom	53.49	36.2 - 65.5
NDFD240	%NDFom	68.49	52.4 - 80.6
uNDFom30	%DM	27.65	14.7 - 40.9
uNDFom240	%DM	18.73	10.3 - 30.4
Starch	%DM	0.25	0.25 - 7.32
Fat (EE)	%DM	3.03	1.58 - 3.71
TFA (fat)	%DM	0.96	0.49 - 2.17
Ash	%DM	10.44	6.12 - 13.0
Calcium	%DM	0.54	0.25 - 1.15
Phosphorus	%DM	0.25	0.11 - 0.35
Magnesium	%DM	0.28	0.12 - 0.33
Potassium	%DM	2.11	0.69 - 3.03
Sulfur	%DM	0.25	0.07 - 0.25
Chloride	%DM	0.74	0.07 - 0.89
Sugar (ESC)	%DM	6.18	2.16 - 10.4
Sugar (WSC)	%DM	7.34	3.29 - 12.9

NDF kd rate MIR_P1	%/hr	5.15		
		ADF	OARDC	MLK 2013
TDN		57.64	55.66	53.63
Nel 3x	Mcal/cwt	58.81	56.53	58.47
Neg	Mcal/cwt	26.54	28.42	25.93
Nem	Mcal/cwt	51.93	53.97	51.27
Milk per ton	lbs/ton			2511

*Mixed grass hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	12.43
NFC	%DM	19.96
NSC	%DM	7.59
RFV		85.79
RFQ		118.93
NDF kd rate Van Amb	%/hr	3.37