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Sample Date: 2024-04-08
Sample No.: 003-2404-1419178

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

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

Product: 4167

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

Moisture	12.83%		
Dry Matter	87.17%		
		Dry Basis	90% Range*
Crude Protein	%DM	17.93	4.95 - 16.5
AD-ICP	%DM	1.09	0.62 - 1.79
ND-ICP w/SS	%DM	5.18	1.29 - 4.68
Protein Sol.	%CP	38.15	8.61 - 48.9
ADF	%DM	35.86	31.8 - 50.2
aNDF	%DM	61.76	48.2 - 72.7
aNDFom	%DM	58.36	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	4.36	3.94 - 9.40
Lignin	%NDFom	7.47	
NDFD 30	%NDFom	64.63	36.2 - 65.5
NDFD240	%NDFom	78.03	52.4 - 80.6
uNDFom30	%DM	20.64	14.7 - 40.9
uNDFom240	%DM	12.82	10.3 - 30.4
Starch	%DM	0.25	0.25 - 7.32
Fat (EE)	%DM	2.80	1.58 - 3.71
TFA (fat)	%DM	1.26	0.49 - 2.17
Ash	%DM	11.60	6.12 - 13.0
Calcium	%DM	0.52	0.25 - 1.15
Phosphorus	%DM	0.38	0.11 - 0.35
Magnesium	%DM	0.24	0.12 - 0.33
Potassium	%DM	3.43	0.69 - 3.03
Sulfur	%DM	0.27	0.07 - 0.25
Chloride	%DM	0.55	0.07 - 0.89
Sugar (ESC)	%DM	3.74	2.16 - 10.4
Sugar (WSC)	%DM	4.93	3.29 - 12.9

NDF kd rate MIR_P1	%/hr	5.97		
		ADF	OARDC	MLK 2013
TDN		60.97	56.85	59.04
Nel 3x	Mcal/cwt	62.52	57.86	60.49
Neg	Mcal/cwt	28.66	32.53	35.38
Nem	Mcal/cwt	54.24	58.46	61.60
Milk per ton	lbs/ton			2737

*Mixed grass hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	17.93
NFC	%DM	15.03
NSC	%DM	5.18
RFV		91.69
RFQ		137.09
NDF kd rate Van Amb	%/hr	4.48