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Sample Date: 2024-04-08
Sample No.: 003-2404-1419177

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

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

Product: 4166

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

Moisture	18.75%		
Dry Matter	81.25%		
		Dry Basis	90% Range*
Crude Protein	%DM	14.70	4.95 - 16.5
AD-ICP	%DM	1.20	0.62 - 1.79
ND-ICP w/SS	%DM	4.72	1.29 - 4.68
Protein Sol.	%CP	34.83	8.61 - 48.9
ADF	%DM	37.82	31.8 - 50.2
aNDF	%DM	61.32	48.2 - 72.7
aNDFom	%DM	59.53	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	4.74	3.94 - 9.40
Lignin	%NDFom	7.96	
NDFD 30	%NDFom	49.25	36.2 - 65.5
NDFD240	%NDFom	67.13	52.4 - 80.6
uNDFom30	%DM	30.21	14.7 - 40.9
uNDFom240	%DM	19.57	10.3 - 30.4
Starch	%DM	0.57	0.25 - 7.32
Fat (EE)	%DM	2.92	1.58 - 3.71
TFA (fat)	%DM	1.20	0.49 - 2.17
Ash	%DM	11.46	6.12 - 13.0
Calcium	%DM	0.61	0.25 - 1.15
Phosphorus	%DM	0.23	0.11 - 0.35
Magnesium	%DM	0.32	0.12 - 0.33
Potassium	%DM	2.34	0.69 - 3.03
Sulfur	%DM	0.30	0.07 - 0.25
Chloride	%DM	0.94	0.07 - 0.89
Sugar (ESC)	%DM	9.03	2.16 - 10.4
Sugar (WSC)	%DM	10.57	3.29 - 12.9

NDF kd rate MIR_P1	%/hr	4.49		
		ADF	OARDC	MLK 2013
TDN		59.44	55.65	50.82
Nel 3x	Mcal/cwt	60.82	56.52	56.63
Neg	Mcal/cwt	27.76	29.46	23.03
Nem	Mcal/cwt	53.25	55.10	48.14
Milk per ton	lbs/ton			2351

*Mixed grass hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	14.70
NFC	%DM	16.83
NSC	%DM	11.14
RFV		90.31
RFQ		107.41
NDF kd rate Van Amb	%/hr	2.88