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Sample Date: 2024-04-22
Sample No.: 003-2404-1430638

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

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

Product: 3905

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

Moisture	11.49%		
Dry Matter	88.51%		
		Dry Basis	90% Range*
Crude Protein	%DM	9.53	4.95 - 16.5
AD-ICP	%DM	1.07	0.62 - 1.79
ND-ICP w/SS	%DM	3.43	1.29 - 4.68
Protein Sol.	%CP	33.16	8.61 - 48.9
ADF	%DM	44.17	31.8 - 50.2
aNDF	%DM	69.88	48.2 - 72.7
aNDFom	%DM	68.43	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	6.06	3.94 - 9.40
Lignin	%NDFom	8.86	
NDFD 30	%NDFom	42.12	36.2 - 65.5
NDFD240	%NDFom	60.08	52.4 - 80.6
uNDFom30	%DM	39.61	14.7 - 40.9
uNDFom240	%DM	27.32	10.3 - 30.4
Starch	%DM	2.02	0.25 - 7.32
Fat (EE)	%DM	1.96	1.58 - 3.71
TFA (fat)	%DM	0.72	0.49 - 2.17
Ash	%DM	9.59	6.12 - 13.0
Calcium	%DM	0.34	0.25 - 1.15
Phosphorus	%DM	0.19	0.11 - 0.35
Magnesium	%DM	0.21	0.12 - 0.33
Potassium	%DM	2.13	0.69 - 3.03
Sulfur	%DM	0.22	0.07 - 0.25
Chloride	%DM	1.01	0.07 - 0.89
Sugar (ESC)	%DM	7.56	2.16 - 10.4
Sugar (WSC)	%DM	8.88	3.29 - 12.9

NDF kd rate MIR_P1	%/hr	4.09		
		ADF	OARDC	MLK 2013
TDN		54.49	51.90	42.71
Nel 3x	Mcal/cwt	55.30	52.34	51.06
Neg	Mcal/cwt	22.55	22.00	8.93
Nem	Mcal/cwt	47.62	47.03	33.13
Milk per ton	lbs/ton			1916

*Mixed grass hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	9.34
NFC	%DM	14.16
NSC	%DM	10.90
RFV		72.65
RFQ		81.38
NDF kd rate Van Amb	%/hr	2.40