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Sample Date: 2024-04-22
Sample No.: 003-2404-1430644

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

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

Product: 7658

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

Moisture	15.40%		
Dry Matter	84.60%		
		Dry Basis	90% Range*
Crude Protein	%DM	13.95	4.95 - 16.5
AD-ICP	%DM	1.34	0.62 - 1.79
ND-ICP w/SS	%DM	4.58	1.29 - 4.68
Protein Sol.	%CP	41.00	8.61 - 48.9
ADF	%DM	39.15	31.8 - 50.2
aNDF	%DM	60.03	48.2 - 72.7
aNDFom	%DM	57.88	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	4.45	3.94 - 9.40
Lignin	%NDFom	7.69	
NDFD 30	%NDFom	47.86	36.2 - 65.5
NDFD240	%NDFom	66.31	52.4 - 80.6
uNDFom30	%DM	30.18	14.7 - 40.9
uNDFom240	%DM	19.50	10.3 - 30.4
Starch	%DM	2.08	0.25 - 7.32
Fat (EE)	%DM	2.76	1.58 - 3.71
TFA (fat)	%DM	1.18	0.49 - 2.17
Ash	%DM	12.38	6.12 - 13.0
Calcium	%DM	0.63	0.25 - 1.15
Phosphorus	%DM	0.23	0.11 - 0.35
Magnesium	%DM	0.31	0.12 - 0.33
Potassium	%DM	1.90	0.69 - 3.03
Sulfur	%DM	0.31	0.07 - 0.25
Chloride	%DM	0.86	0.07 - 0.89
Sugar (ESC)	%DM	7.59	2.16 - 10.4
Sugar (WSC)	%DM	9.70	3.29 - 12.9

NDF kd rate MIR_P1	%/hr	4.34		
		ADF	OARDC	MLK 2013
TDN		58.40	55.47	50.04
Nel 3x	Mcal/cwt	59.66	56.32	56.01
Neg	Mcal/cwt	28.04	28.81	21.61
Nem	Mcal/cwt	53.56	54.40	46.61
Milk per ton	lbs/ton			2297

*Mixed grass hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	13.95
NFC	%DM	18.19
NSC	%DM	11.78
RFV		90.54
RFQ		104.09
NDF kd rate Van Amb	%/hr	2.73