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Sample Date: 2024-04-09
Sample No.: 003-2404-1419914

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

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

Product: 4147

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

Moisture	20.47%		
Dry Matter	79.53%		
		Dry Basis	90% Range*
Crude Protein	%DM	18.61	13.7 - 23.9
AD-ICP	%DM	1.31	1.06 - 2.09
ND-ICP w/SS	%DM	2.60	1.47 - 4.24
Protein Sol.	%CP	37.61	26.1 - 46.1
ADF	%DM	37.38	25.8 - 41.6
aNDF	%DM	45.72	32.3 - 55.6
aNDFom	%DM	44.11	29.9 - 53.5
Lignin (Sulfuric Acid)	%DM	8.09	5.44 - 9.38
Lignin	%NDFom	18.34	
NDFD 30	%NDFom	47.15	32.1 - 54.7
NDFD240	%NDFom	53.25	43.0 - 70.7
uNDFom30	%DM	23.31	16.4 - 29.7
uNDFom240	%DM	20.62	12.2 - 28.8
Starch	%DM	2.77	0.29 - 3.75
Fat (EE)	%DM	2.28	1.88 - 3.44
TFA (fat)	%DM	0.94	0.87 - 2.47
Ash	%DM	10.14	8.88 - 13.8
Calcium	%DM	1.30	0.93 - 1.81
Phosphorus	%DM	0.31	0.24 - 0.39
Magnesium	%DM	0.29	0.23 - 0.40
Potassium	%DM	2.57	1.76 - 3.37
Sulfur	%DM	0.22	0.16 - 0.33
Chloride	%DM	0.36	0.13 - 1.12
Sugar (ESC)	%DM	7.55	3.04 - 9.57
Sugar (WSC)	%DM	9.02	3.67 - 10.5

NDF kd rate MIR_P1	%/hr	7.35		
		ADF	OARDC	MLK 2013
TDN		59.78	56.04	59.08
Nel 3x	Mcal/cwt	61.19	56.95	60.76
Neg	Mcal/cwt	32.12	31.62	35.69
Nem	Mcal/cwt	58.01	57.47	61.94
Milk per ton	lbs/ton			2683

*Mixed hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	18.61
NFC	%DM	27.80
NSC	%DM	11.79
RFV		121.41
RFQ		127.16
NDF kd rate Van Amb	%/hr	4.89