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Sample Date: 2024-04-09
Sample No.: 003-2404-1419917

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

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

Product: 4161

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

Moisture	15.46%		
Dry Matter	84.54%		
		Dry Basis	90% Range*
Crude Protein	%DM	19.95	13.7 - 23.9
AD-ICP	%DM	1.62	1.06 - 2.09
ND-ICP w/SS	%DM	3.89	1.47 - 4.24
Protein Sol.	%CP	34.04	26.1 - 46.1
ADF	%DM	36.87	25.8 - 41.6
aNDF	%DM	49.08	32.3 - 55.6
aNDFom	%DM	45.94	29.9 - 53.5
Lignin (Sulfuric Acid)	%DM	7.73	5.44 - 9.38
Lignin	%NDFom	16.83	
NDFD 30	%NDFom	42.25	32.1 - 54.7
NDFD240	%NDFom	54.68	43.0 - 70.7
uNDFom30	%DM	26.53	16.4 - 29.7
uNDFom240	%DM	20.82	12.2 - 28.8
Starch	%DM	1.81	0.29 - 3.75
Fat (EE)	%DM	2.60	1.88 - 3.44
TFA (fat)	%DM	1.18	0.87 - 2.47
Ash	%DM	12.64	8.88 - 13.8
Calcium	%DM	0.99	0.93 - 1.81
Phosphorus	%DM	0.33	0.24 - 0.39
Magnesium	%DM	0.27	0.23 - 0.40
Potassium	%DM	2.39	1.76 - 3.37
Sulfur	%DM	0.24	0.16 - 0.33
Chloride	%DM	0.57	0.13 - 1.12
Sugar (ESC)	%DM	6.78	3.04 - 9.57
Sugar (WSC)	%DM	7.93	3.67 - 10.5

NDF kd rate MIR_P1	%/hr	5.02		
		ADF	OARDC	MLK 2013
TDN		60.18	53.81	54.53
Nel 3x	Mcal/cwt	61.64	54.47	56.53
Neg	Mcal/cwt	31.10	29.11	30.28
Nem	Mcal/cwt	56.89	54.73	56.00
Milk per ton	lbs/ton			2364

*Mixed hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	19.95
NFC	%DM	23.18
NSC	%DM	9.74
RFV		113.83
RFQ		101.42
NDF kd rate Van Amb	%/hr	3.48