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Sample Date: 2024-04-09
Sample No.: 003-2404-1419925

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

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

Product: 4176

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

Moisture	16.50%		
Dry Matter	83.50%		
		Dry Basis	90% Range*
Crude Protein	%DM	17.25	13.7 - 23.9
AD-ICP	%DM	1.30	1.06 - 2.09
ND-ICP w/SS	%DM	3.03	1.47 - 4.24
Protein Sol.	%CP	36.12	26.1 - 46.1
ADF	%DM	35.13	25.8 - 41.6
aNDF	%DM	45.01	32.3 - 55.6
aNDFom	%DM	43.81	29.9 - 53.5
Lignin (Sulfuric Acid)	%DM	7.59	5.44 - 9.38
Lignin	%NDFom	17.32	
NDFD 30	%NDFom	46.18	32.1 - 54.7
NDFD240	%NDFom	54.76	43.0 - 70.7
uNDFom30	%DM	23.58	16.4 - 29.7
uNDFom240	%DM	19.82	12.2 - 28.8
Starch	%DM	3.04	0.29 - 3.75
Fat (EE)	%DM	2.17	1.88 - 3.44
TFA (fat)	%DM	0.99	0.87 - 2.47
Ash	%DM	8.77	8.88 - 13.8
Calcium	%DM	1.24	0.93 - 1.81
Phosphorus	%DM	0.32	0.24 - 0.39
Magnesium	%DM	0.28	0.23 - 0.40
Potassium	%DM	2.85	1.76 - 3.37
Sulfur	%DM	0.17	0.16 - 0.33
Chloride	%DM	0.17	0.13 - 1.12
Sugar (ESC)	%DM	9.03	3.04 - 9.57
Sugar (WSC)	%DM	10.13	3.67 - 10.5

NDF kd rate MIR_P1	%/hr	6.28		
		ADF	OARDC	MLK 2013
TDN		61.53	58.28	60.53
Nel 3x	Mcal/cwt	63.14	59.45	63.07
Neg	Mcal/cwt	31.99	33.99	37.01
Nem	Mcal/cwt	57.87	60.06	63.40
Milk per ton	lbs/ton			2823

*Mixed hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	17.25
NFC	%DM	31.21
NSC	%DM	13.17
RFV		127.35
RFQ		131.22
NDF kd rate Van Amb	%/hr	4.28