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Sample Date: 2024-04-22
Sample No.: 003-2404-1430636

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

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

Product: 3907

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

Moisture	12.45%		
Dry Matter	87.55%		
		Dry Basis	90% Range*
Crude Protein	%DM	19.09	13.7 - 23.9
AD-ICP	%DM	1.21	1.06 - 2.09
ND-ICP w/SS	%DM	3.42	1.47 - 4.24
Protein Sol.	%CP	35.10	26.1 - 46.1
ADF	%DM	33.09	25.8 - 41.6
aNDF	%DM	45.43	32.3 - 55.6
aNDFom	%DM	43.27	29.9 - 53.5
Lignin (Sulfuric Acid)	%DM	5.58	5.44 - 9.38
Lignin	%NDFom	12.90	
NDFD 30	%NDFom	49.23	32.1 - 54.7
NDFD240	%NDFom	57.82	43.0 - 70.7
uNDFom30	%DM	21.97	16.4 - 29.7
uNDFom240	%DM	18.25	12.2 - 28.8
Starch	%DM	0.86	0.29 - 3.75
Fat (EE)	%DM	3.07	1.88 - 3.44
TFA (fat)	%DM	1.40	0.87 - 2.47
Ash	%DM	11.78	8.88 - 13.8
Calcium	%DM	1.22	0.93 - 1.81
Phosphorus	%DM	0.35	0.24 - 0.39
Magnesium	%DM	0.40	0.23 - 0.40
Potassium	%DM	2.13	1.76 - 3.37
Sulfur	%DM	0.29	0.16 - 0.33
Chloride	%DM	0.59	0.13 - 1.12
Sugar (ESC)	%DM	7.28	3.04 - 9.57
Sugar (WSC)	%DM	8.09	3.67 - 10.5

NDF kd rate MIR_P1	%/hr	6.46		
		ADF	OARDC	MLK 2013
TDN		63.12	58.86	59.68
Nel 3x	Mcal/cwt	64.92	60.09	60.79
Neg	Mcal/cwt	32.42	35.60	36.68
Nem	Mcal/cwt	58.35	61.84	63.03
Milk per ton	lbs/ton			2703

*Mixed hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	19.09
NFC	%DM	26.88
NSC	%DM	8.95
RFV		129.18
RFQ		131.28
NDF kd rate Van Amb	%/hr	3.63