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Sample Date: 2024-04-09
Sample No.: 003-2404-1419921

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

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

Product: 4172

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

Moisture	18.81%		
Dry Matter	81.19%		
		Dry Basis	90% Range*
Crude Protein	%DM	18.92	4.95 - 16.5
AD-ICP	%DM	1.81	0.62 - 1.79
ND-ICP w/SS	%DM	5.09	1.29 - 4.68
Protein Sol.	%CP	26.06	8.61 - 48.9
ADF	%DM	39.21	31.8 - 50.2
aNDF	%DM	56.09	48.2 - 72.7
aNDFom	%DM	52.96	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	5.78	3.94 - 9.40
Lignin	%NDFom	10.91	
NDFD 30	%NDFom	44.05	36.2 - 65.5
NDFD240	%NDFom	63.01	52.4 - 80.6
uNDFom30	%DM	29.63	14.7 - 40.9
uNDFom240	%DM	19.59	10.3 - 30.4
Starch	%DM	2.25	0.25 - 7.32
Fat (EE)	%DM	2.63	1.58 - 3.71
TFA (fat)	%DM	1.12	0.49 - 2.17
Ash	%DM	14.20	6.12 - 13.0
Calcium	%DM	0.88	0.25 - 1.15
Phosphorus	%DM	0.35	0.11 - 0.35
Magnesium	%DM	0.36	0.12 - 0.33
Potassium	%DM	2.73	0.69 - 3.03
Sulfur	%DM	0.31	0.07 - 0.25
Chloride	%DM	0.81	0.07 - 0.89
Sugar (ESC)	%DM	4.84	2.16 - 10.4
Sugar (WSC)	%DM	6.92	3.29 - 12.9

NDF kd rate MIR_P1	%/hr	4.07		
		ADF	OARDC	MLK 2013
TDN		58.36	52.72	49.15
Nel 3x	Mcal/cwt	59.61	53.26	55.56
Neg	Mcal/cwt	31.28	27.09	22.52
Nem	Mcal/cwt	57.09	52.53	47.58
Milk per ton	lbs/ton			2228

*Mixed grass hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	18.92
NFC	%DM	16.89
NSC	%DM	9.17
RFV		96.81
RFQ		94.79
NDF kd rate Van Amb	%/hr	2.74