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Sample Date: 2024-04-22
Sample No.: 003-2404-1430645

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

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

Product: 7657

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

Moisture	18.99%		
Dry Matter	81.01%		
		Dry Basis	90% Range*
Crude Protein	%DM	11.42	4.95 - 16.5
AD-ICP	%DM	1.29	0.62 - 1.79
ND-ICP w/SS	%DM	4.14	1.29 - 4.68
Protein Sol.	%CP	33.71	8.61 - 48.9
ADF	%DM	42.25	31.8 - 50.2
aNDF	%DM	66.85	48.2 - 72.7
aNDFom	%DM	64.74	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	5.34	3.94 - 9.40
Lignin	%NDFom	8.25	
NDFD 30	%NDFom	45.66	36.2 - 65.5
NDFD240	%NDFom	64.83	52.4 - 80.6
uNDFom30	%DM	35.18	14.7 - 40.9
uNDFom240	%DM	22.77	10.3 - 30.4
Starch	%DM	2.63	0.25 - 7.32
Fat (EE)	%DM	2.38	1.58 - 3.71
TFA (fat)	%DM	0.68	0.49 - 2.17
Ash	%DM	10.13	6.12 - 13.0
Calcium	%DM	0.63	0.25 - 1.15
Phosphorus	%DM	0.16	0.11 - 0.35
Magnesium	%DM	0.27	0.12 - 0.33
Potassium	%DM	1.30	0.69 - 3.03
Sulfur	%DM	0.24	0.07 - 0.25
Chloride	%DM	0.67	0.07 - 0.89
Sugar (ESC)	%DM	5.09	2.16 - 10.4
Sugar (WSC)	%DM	6.86	3.29 - 12.9

NDF kd rate MIR_P1	%/hr	4.13		
		ADF	OARDC	MLK 2013
TDN		55.99	53.54	46.62
Nel 3x	Mcal/cwt	56.97	54.17	53.62
Neg	Mcal/cwt	24.42	25.04	15.57
Nem	Mcal/cwt	49.64	50.31	40.16
Milk per ton	lbs/ton			2120

*Mixed grass hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	11.18
NFC	%DM	16.17
NSC	%DM	9.49
RFV		78.13
RFQ		94.38
NDF kd rate Van Amb	%/hr	2.62