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Sample Date: 2024-04-22
Sample No.: 003-2404-1430661

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

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

Product: 4194

Test Mode: N8
Feed Type: Hay - Legume
Sub Type: Alfalfa

Moisture	13.14%		
Dry Matter	86.86%		
		Dry Basis	90% Range*
Crude Protein	%DM	19.06	15.4 - 24.0
AD-ICP	%DM	1.70	1.08 - 2.13
ND-ICP w/SS	%DM	3.91	1.63 - 4.06
Protein Sol.	%CP	28.86	27.5 - 47.1
ADF	%DM	36.49	25.5 - 41.8
aNDF	%DM	45.16	31.9 - 51.8
aNDFom	%DM	39.63	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	6.85	5.84 - 9.64
Lignin	%NDFom	17.28	
NDFD 30	%NDFom	40.63	31.3 - 48.1
NDFD240	%NDFom	46.58	41.5 - 61.9
uNDFom30	%DM	23.53	16.5 - 29.5
uNDFom240	%DM	21.17	13.0 - 27.8
Starch	%DM	0.25	0.28 - 3.74
Fat (EE)	%DM	2.73	1.77 - 3.35
TFA (fat)	%DM	1.04	0.81 - 2.33
Ash	%DM	14.52	9.15 - 13.8
Calcium	%DM	1.41	1.19 - 1.84
Phosphorus	%DM	0.31	0.23 - 0.39
Magnesium	%DM	0.42	0.25 - 0.41
Potassium	%DM	1.92	1.83 - 3.36
Sulfur	%DM	0.27	0.17 - 0.33
Chloride	%DM	0.67	0.16 - 1.13
Sugar (ESC)	%DM	5.24	2.71 - 9.16
Sugar (WSC)	%DM	6.96	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	6.97		
		ADF	OARDC	MLK 2013
TDN		60.47	54.93	55.53
Nel 3x	Mcal/cwt	61.96	55.72	57.06
Neg	Mcal/cwt	33.22	30.18	31.23
Nem	Mcal/cwt	59.22	55.89	57.04
Milk per ton	lbs/ton			2412

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	19.06
NFC	%DM	28.66
NSC	%DM	7.21
RFV		124.69
RFQ		107.82
NDF kd rate Van Amb	%/hr	3.31