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Sample Date: 2024-04-09
Sample No.: 003-2404-1419916

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

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

Product: 4157

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

Moisture	22.36%		
Dry Matter	77.64%		
		Dry Basis	90% Range*
Crude Protein	%DM	19.43	15.4 - 24.0
AD-ICP	%DM	1.56	1.08 - 2.13
ND-ICP w/SS	%DM	3.12	1.63 - 4.06
Protein Sol.	%CP	28.87	27.5 - 47.1
ADF	%DM	36.12	25.5 - 41.8
aNDF	%DM	44.13	31.9 - 51.8
aNDFom	%DM	41.30	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	7.98	5.84 - 9.64
Lignin	%NDFom	19.32	
NDFD 30	%NDFom	38.52	31.3 - 48.1
NDFD240	%NDFom	43.73	41.5 - 61.9
uNDFom30	%DM	25.39	16.5 - 29.5
uNDFom240	%DM	23.24	13.0 - 27.8
Starch	%DM	1.99	0.28 - 3.74
Fat (EE)	%DM	2.48	1.77 - 3.35
TFA (fat)	%DM	1.11	0.81 - 2.33
Ash	%DM	11.82	9.15 - 13.8
Calcium	%DM	1.29	1.19 - 1.84
Phosphorus	%DM	0.34	0.23 - 0.39
Magnesium	%DM	0.28	0.25 - 0.41
Potassium	%DM	3.03	1.83 - 3.36
Sulfur	%DM	0.24	0.17 - 0.33
Chloride	%DM	0.39	0.16 - 1.13
Sugar (ESC)	%DM	4.09	2.71 - 9.16
Sugar (WSC)	%DM	6.47	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	7.21		
		ADF	OARDC	MLK 2013
TDN		60.76	55.63	56.02
Nel 3x	Mcal/cwt	62.29	56.50	58.57
Neg	Mcal/cwt	33.78	31.34	32.04
Nem	Mcal/cwt	59.83	57.16	57.92
Milk per ton	lbs/ton			2489

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	19.43
NFC	%DM	28.46
NSC	%DM	8.46
RFV		128.11
RFQ		111.92
NDF kd rate Van Amb	%/hr	3.52