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Sample Date: 2024-05-14
Sample No.: 003-2405-1448118

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

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

Product: 4500

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

Moisture	13.12%		
Dry Matter	86.88%		
		Dry Basis	90% Range*
Crude Protein	%DM	17.44	15.4 - 24.0
AD-ICP	%DM	1.54	1.08 - 2.13
ND-ICP w/SS	%DM	3.43	1.63 - 4.06
Protein Sol.	%CP	26.61	27.5 - 47.1
ADF	%DM	39.90	25.5 - 41.8
aNDF	%DM	51.94	31.9 - 51.8
aNDFom	%DM	50.34	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	8.66	5.84 - 9.64
Lignin	%NDFom	17.20	
NDFD 30	%NDFom	42.19	31.3 - 48.1
NDFD240	%NDFom	47.52	41.5 - 61.9
uNDFom30	%DM	29.10	16.5 - 29.5
uNDFom240	%DM	26.42	13.0 - 27.8
Starch	%DM	3.01	0.28 - 3.74
Fat (EE)	%DM	2.05	1.77 - 3.35
TFA (fat)	%DM	0.83	0.81 - 2.33
Ash	%DM	9.51	9.15 - 13.8
Calcium	%DM	1.26	1.19 - 1.84
Phosphorus	%DM	0.31	0.23 - 0.39
Magnesium	%DM	0.31	0.25 - 0.41
Potassium	%DM	2.34	1.83 - 3.36
Sulfur	%DM	0.21	0.17 - 0.33
Chloride	%DM	0.24	0.16 - 1.13
Sugar (ESC)	%DM	2.74	2.71 - 9.16
Sugar (WSC)	%DM	4.59	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	7.42		
		ADF	OARDC	MLK 2013
TDN		57.82	53.71	54.55
Nel 3x	Mcal/cwt	59.01	54.36	55.56
Neg	Mcal/cwt	29.78	27.87	29.25
Nem	Mcal/cwt	55.45	53.38	54.87
Milk per ton	lbs/ton			2329

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	17.44
NFC	%DM	24.31
NSC	%DM	7.60
RFV		103.54
RFQ		97.45
NDF kd rate Van Amb	%/hr	3.61