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Sample Date: 2024-05-14
Sample No.: 003-2405-1448122

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

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

Product: 4504

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

Moisture	15.07%		
Dry Matter	84.93%		
		Dry Basis	90% Range*
Crude Protein	%DM	22.81	15.4 - 24.0
AD-ICP	%DM	2.01	1.08 - 2.13
ND-ICP w/SS	%DM	4.65	1.63 - 4.06
Protein Sol.	%CP	25.47	27.5 - 47.1
ADF	%DM	36.46	25.5 - 41.8
aNDF	%DM	45.59	31.9 - 51.8
aNDFom	%DM	42.89	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	8.78	5.84 - 9.64
Lignin	%NDFom	20.47	
NDFD 30	%NDFom	42.85	31.3 - 48.1
NDFD240	%NDFom	47.68	41.5 - 61.9
uNDFom30	%DM	24.51	16.5 - 29.5
uNDFom240	%DM	22.44	13.0 - 27.8
Starch	%DM	2.55	0.28 - 3.74
Fat (EE)	%DM	2.30	1.77 - 3.35
TFA (fat)	%DM	1.04	0.81 - 2.33
Ash	%DM	11.33	9.15 - 13.8
Calcium	%DM	1.21	1.19 - 1.84
Phosphorus	%DM	0.42	0.23 - 0.39
Magnesium	%DM	0.30	0.25 - 0.41
Potassium	%DM	3.07	1.83 - 3.36
Sulfur	%DM	0.24	0.17 - 0.33
Chloride	%DM	0.34	0.16 - 1.13
Sugar (ESC)	%DM	2.50	2.71 - 9.16
Sugar (WSC)	%DM	3.85	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	7.76		
		ADF	OARDC	MLK 2013
TDN		60.50	54.67	57.86
Nel 3x	Mcal/cwt	62.00	55.43	59.53
Neg	Mcal/cwt	34.26	31.33	35.80
Nem	Mcal/cwt	60.36	57.14	62.06
Milk per ton	lbs/ton			2592

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	22.81
NFC	%DM	25.58
NSC	%DM	6.40
RFV		123.34
RFQ		117.95
NDF kd rate Van Amb	%/hr	4.44