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Sample Date: 2024-04-08
Sample No.: 003-2404-1419167

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

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

Product: 4143

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

Moisture	16.38%		
Dry Matter	83.62%		
		Dry Basis	90% Range*
Crude Protein	%DM	17.76	15.4 - 24.0
AD-ICP	%DM	1.35	1.08 - 2.13
ND-ICP w/SS	%DM	2.87	1.63 - 4.06
Protein Sol.	%CP	37.84	27.5 - 47.1
ADF	%DM	34.74	25.5 - 41.8
aNDF	%DM	43.51	31.9 - 51.8
aNDFom	%DM	39.57	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	6.75	5.84 - 9.64
Lignin	%NDFom	17.06	
NDFD 30	%NDFom	42.13	31.3 - 48.1
NDFD240	%NDFom	47.06	41.5 - 61.9
uNDFom30	%DM	22.90	16.5 - 29.5
uNDFom240	%DM	20.95	13.0 - 27.8
Starch	%DM	0.25	0.28 - 3.74
Fat (EE)	%DM	2.65	1.77 - 3.35
TFA (fat)	%DM	1.01	0.81 - 2.33
Ash	%DM	13.38	9.15 - 13.8
Calcium	%DM	1.59	1.19 - 1.84
Phosphorus	%DM	0.30	0.23 - 0.39
Magnesium	%DM	0.40	0.25 - 0.41
Potassium	%DM	2.11	1.83 - 3.36
Sulfur	%DM	0.24	0.17 - 0.33
Chloride	%DM	0.70	0.16 - 1.13
Sugar (ESC)	%DM	7.28	2.71 - 9.16
Sugar (WSC)	%DM	7.95	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	7.65		
		ADF	OARDC	MLK 2013
TDN		61.84	56.16	56.66
Nel 3x	Mcal/cwt	63.49	57.09	58.12
Neg	Mcal/cwt	33.51	31.40	32.19
Nem	Mcal/cwt	59.53	57.22	58.09
Milk per ton	lbs/ton			2494

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	17.76
NFC	%DM	30.15
NSC	%DM	8.20
RFV		132.31
RFQ		118.37
NDF kd rate Van Amb	%/hr	3.55