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Sample Date: 2024-05-14
Sample No.: 003-2405-1448105

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

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

Product: 3919

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

Moisture	15.47%		
Dry Matter	84.53%		
		Dry Basis	90% Range*
Crude Protein	%DM	19.65	15.4 - 24.0
AD-ICP	%DM	1.48	1.08 - 2.13
ND-ICP w/SS	%DM	3.35	1.63 - 4.06
Protein Sol.	%CP	42.29	27.5 - 47.1
ADF	%DM	33.54	25.5 - 41.8
aNDF	%DM	42.55	31.9 - 51.8
aNDFom	%DM	40.84	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	7.71	5.84 - 9.64
Lignin	%NDFom	18.88	
NDFD 30	%NDFom	44.17	31.3 - 48.1
NDFD240	%NDFom	49.51	41.5 - 61.9
uNDFom30	%DM	22.80	16.5 - 29.5
uNDFom240	%DM	20.62	13.0 - 27.8
Starch	%DM	0.77	0.28 - 3.74
Fat (EE)	%DM	2.35	1.77 - 3.35
TFA (fat)	%DM	1.13	0.81 - 2.33
Ash	%DM	10.58	9.15 - 13.8
Calcium	%DM	1.39	1.19 - 1.84
Phosphorus	%DM	0.35	0.23 - 0.39
Magnesium	%DM	0.31	0.25 - 0.41
Potassium	%DM	3.02	1.83 - 3.36
Sulfur	%DM	0.20	0.17 - 0.33
Chloride	%DM	0.26	0.16 - 1.13
Sugar (ESC)	%DM	4.12	2.71 - 9.16
Sugar (WSC)	%DM	7.51	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	7.55		
		ADF	OARDC	MLK 2013
TDN		62.77	57.52	59.77
Nel 3x	Mcal/cwt	64.53	58.60	61.63
Neg	Mcal/cwt	34.54	33.95	37.00
Nem	Mcal/cwt	60.67	60.02	63.38
Milk per ton	lbs/ton			2739

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	19.65
NFC	%DM	30.15
NSC	%DM	8.28
RFV		137.22
RFQ		133.67
NDF kd rate Van Amb	%/hr	4.33