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Sample Date: 2024-02-12
Sample No.: 003-2402-1367472

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

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

Product: 3964

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

Moisture	23.06%		
Dry Matter	76.94%		
		Dry Basis	90% Range*
Crude Protein	%DM	22.10	15.4 - 24.0
AD-ICP	%DM	1.85	1.08 - 2.13
ND-ICP w/SS	%DM	4.89	1.63 - 4.06
Protein Sol.	%CP	29.73	27.5 - 47.1
ADF	%DM	32.74	25.5 - 41.8
aNDF	%DM	41.68	31.9 - 51.8
aNDFom	%DM	40.58	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	7.13	5.84 - 9.64
Lignin	%NDFom	17.57	
NDFD 30	%NDFom	42.02	31.3 - 48.1
NDFD240	%NDFom	47.68	41.5 - 61.9
uNDFom30	%DM	23.53	16.5 - 29.5
uNDFom240	%DM	21.23	13.0 - 27.8
Starch	%DM	1.99	0.28 - 3.74
Fat (EE)	%DM	2.66	1.77 - 3.35
TFA (fat)	%DM	1.23	0.81 - 2.33
Ash	%DM	11.01	9.15 - 13.8
Calcium	%DM	1.48	1.19 - 1.84
Phosphorus	%DM	0.36	0.23 - 0.39
Magnesium	%DM	0.44	0.25 - 0.41
Potassium	%DM	1.90	1.83 - 3.36
Sulfur	%DM	0.32	0.17 - 0.33
Chloride	%DM	0.75	0.16 - 1.13
Sugar (ESC)	%DM	4.74	2.71 - 9.16
Sugar (WSC)	%DM	6.51	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	7.22		
		ADF	OARDC	MLK 2013
TDN	%DM	63.40	58.16	59.55
Nel 3x	Mcal/cwt	65.23	59.31	62.02
Neg	Mcal/cwt	35.72	35.67	37.70
Nem	Mcal/cwt	61.97	61.92	64.16
Milk per ton	lbs/ton			2745

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	22.10
NFC	%DM	28.97
NSC	%DM	8.50
RFV		141.54
RFQ		133.85
NDF kd rate Van Amb	%/hr	3.49