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Sample Date: 2024-04-08
Sample No.: 003-2404-1419168

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

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

Product: 4146

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

Moisture	18.20%		
Dry Matter	81.80%		
		Dry Basis	90% Range*
Crude Protein	%DM	19.68	15.4 - 24.0
AD-ICP	%DM	1.31	1.08 - 2.13
ND-ICP w/SS	%DM	3.16	1.63 - 4.06
Protein Sol.	%CP	43.60	27.5 - 47.1
ADF	%DM	36.22	25.5 - 41.8
aNDF	%DM	44.84	31.9 - 51.8
aNDFom	%DM	43.13	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	7.09	5.84 - 9.64
Lignin	%NDFom	16.44	
NDFD 30	%NDFom	39.90	31.3 - 48.1
NDFD240	%NDFom	46.30	41.5 - 61.9
uNDFom30	%DM	25.92	16.5 - 29.5
uNDFom240	%DM	23.16	13.0 - 27.8
Starch	%DM	0.25	0.28 - 3.74
Fat (EE)	%DM	2.49	1.77 - 3.35
TFA (fat)	%DM	1.12	0.81 - 2.33
Ash	%DM	11.74	9.15 - 13.8
Calcium	%DM	1.46	1.19 - 1.84
Phosphorus	%DM	0.35	0.23 - 0.39
Magnesium	%DM	0.44	0.25 - 0.41
Potassium	%DM	2.18	1.83 - 3.36
Sulfur	%DM	0.29	0.17 - 0.33
Chloride	%DM	0.75	0.16 - 1.13
Sugar (ESC)	%DM	6.15	2.71 - 9.16
Sugar (WSC)	%DM	7.24	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	6.71		
		ADF	OARDC	MLK 2013
TDN		60.68	56.45	55.58
Nel 3x	Mcal/cwt	62.20	57.41	57.58
Neg	Mcal/cwt	33.56	32.65	31.56
Nem	Mcal/cwt	59.60	58.59	57.40
Milk per ton	lbs/ton			2438

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	19.68
NFC	%DM	26.49
NSC	%DM	7.49
RFV		126.06
RFQ		112.43
NDF kd rate Van Amb	%/hr	3.13