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Sample Date: 2024-04-22
Sample No.: 003-2404-1430663

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

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

Product: 4197

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

Moisture	13.74%		
Dry Matter	86.26%		
		Dry Basis	90% Range*
Crude Protein	%DM	19.08	15.4 - 24.0
AD-ICP	%DM	1.43	1.08 - 2.13
ND-ICP w/SS	%DM	3.33	1.63 - 4.06
Protein Sol.	%CP	37.74	27.5 - 47.1
ADF	%DM	34.64	25.5 - 41.8
aNDF	%DM	43.06	31.9 - 51.8
aNDFom	%DM	39.27	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	6.78	5.84 - 9.64
Lignin	%NDFom	17.27	
NDFD 30	%NDFom	41.86	31.3 - 48.1
NDFD240	%NDFom	46.63	41.5 - 61.9
uNDFom30	%DM	22.83	16.5 - 29.5
uNDFom240	%DM	20.96	13.0 - 27.8
Starch	%DM	1.34	0.28 - 3.74
Fat (EE)	%DM	3.01	1.77 - 3.35
TFA (fat)	%DM	1.25	0.81 - 2.33
Ash	%DM	13.63	9.15 - 13.8
Calcium	%DM	1.33	1.19 - 1.84
Phosphorus	%DM	0.34	0.23 - 0.39
Magnesium	%DM	0.40	0.25 - 0.41
Potassium	%DM	1.98	1.83 - 3.36
Sulfur	%DM	0.28	0.17 - 0.33
Chloride	%DM	0.89	0.16 - 1.13
Sugar (ESC)	%DM	7.56	2.71 - 9.16
Sugar (WSC)	%DM	8.07	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	7.73		
		ADF	OARDC	MLK 2013
TDN		61.92	56.36	56.96
Nel 3x	Mcal/cwt	63.58	57.31	58.59
Neg	Mcal/cwt	34.14	32.22	33.15
Nem	Mcal/cwt	60.23	58.12	59.14
Milk per ton	lbs/ton			2522

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	19.08
NFC	%DM	29.10
NSC	%DM	9.41
RFV		133.92
RFQ		120.09
NDF kd rate Van Amb	%/hr	3.52