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Sample Date: 2024-02-13
Sample No.: 003-2402-1368203

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

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

Product: 7664

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

Moisture	15.29%		
Dry Matter	84.71%		
		Dry Basis	90% Range*
Crude Protein	%DM	21.72	15.4 - 24.0
AD-ICP	%DM	1.24	1.08 - 2.13
ND-ICP w/SS	%DM	3.10	1.63 - 4.06
Protein Sol.	%CP	39.87	27.5 - 47.1
ADF	%DM	28.87	25.5 - 41.8
aNDF	%DM	37.02	31.9 - 51.8
aNDFom	%DM	35.15	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	6.32	5.84 - 9.64
Lignin	%NDFom	17.98	
NDFD 30	%NDFom	42.05	31.3 - 48.1
NDFD240	%NDFom	47.40	41.5 - 61.9
uNDFom30	%DM	20.37	16.5 - 29.5
uNDFom240	%DM	18.49	13.0 - 27.8
Starch	%DM	1.28	0.28 - 3.74
Fat (EE)	%DM	2.60	1.77 - 3.35
TFA (fat)	%DM	1.32	0.81 - 2.33
Ash	%DM	10.35	9.15 - 13.8
Calcium	%DM	1.31	1.19 - 1.84
Phosphorus	%DM	0.35	0.23 - 0.39
Magnesium	%DM	0.29	0.25 - 0.41
Potassium	%DM	3.27	1.83 - 3.36
Sulfur	%DM	0.27	0.17 - 0.33
Chloride	%DM	0.44	0.16 - 1.13
Sugar (ESC)	%DM	5.87	2.71 - 9.16
Sugar (WSC)	%DM	8.70	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	7.40		
		ADF	OARDC	MLK 2013
TDN		66.41	61.81	62.38
Nel 3x	Mcal/cwt	68.58	63.38	65.72
Neg	Mcal/cwt	37.67	40.45	41.13
Nem	Mcal/cwt	64.12	67.21	67.97
Milk per ton	lbs/ton			2984

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	21.72
NFC	%DM	33.56
NSC	%DM	9.98
RFV		166.80
RFQ		157.24
NDF kd rate Van Amb	%/hr	3.69