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Sample Date: 2024-04-08
Sample No.: 003-2404-1419172

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

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

Product: 4153

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

Moisture	20.44%		
Dry Matter	79.56%		
		Dry Basis	90% Range*
Crude Protein	%DM	18.74	15.4 - 24.0
AD-ICP	%DM	1.41	1.08 - 2.13
ND-ICP w/SS	%DM	3.18	1.63 - 4.06
Protein Sol.	%CP	39.70	27.5 - 47.1
ADF	%DM	37.78	25.5 - 41.8
aNDF	%DM	46.18	31.9 - 51.8
aNDFom	%DM	43.37	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	7.08	5.84 - 9.64
Lignin	%NDFom	16.32	
NDFD 30	%NDFom	39.43	31.3 - 48.1
NDFD240	%NDFom	45.12	41.5 - 61.9
uNDFom30	%DM	26.27	16.5 - 29.5
uNDFom240	%DM	23.80	13.0 - 27.8
Starch	%DM	0.36	0.28 - 3.74
Fat (EE)	%DM	2.66	1.77 - 3.35
TFA (fat)	%DM	1.11	0.81 - 2.33
Ash	%DM	12.56	9.15 - 13.8
Calcium	%DM	1.37	1.19 - 1.84
Phosphorus	%DM	0.34	0.23 - 0.39
Magnesium	%DM	0.38	0.25 - 0.41
Potassium	%DM	2.00	1.83 - 3.36
Sulfur	%DM	0.27	0.17 - 0.33
Chloride	%DM	0.83	0.16 - 1.13
Sugar (ESC)	%DM	6.39	2.71 - 9.16
Sugar (WSC)	%DM	8.17	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	7.02		
		ADF	OARDC	MLK 2013
TDN		59.47	55.45	54.49
Nel 3x	Mcal/cwt	60.85	56.30	56.30
Neg	Mcal/cwt	32.67	30.86	29.73
Nem	Mcal/cwt	58.61	56.63	55.40
Milk per ton	lbs/ton			2351

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	18.74
NFC	%DM	26.40
NSC	%DM	8.53
RFV		119.86
RFQ		104.98
NDF kd rate Van Amb	%/hr	3.05