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Sample Date: 2024-05-14
Sample No.: 003-2405-1448106

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

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

Product: 3920

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

Moisture	11.94%		
Dry Matter	88.06%		
		Dry Basis	90% Range*
Crude Protein	%DM	18.60	15.4 - 24.0
AD-ICP	%DM	1.43	1.08 - 2.13
ND-ICP w/SS	%DM	3.21	1.63 - 4.06
Protein Sol.	%CP	34.09	27.5 - 47.1
ADF	%DM	34.93	25.5 - 41.8
aNDF	%DM	43.89	31.9 - 51.8
aNDFom	%DM	41.92	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	7.83	5.84 - 9.64
Lignin	%NDFom	18.68	
NDFD 30	%NDFom	38.00	31.3 - 48.1
NDFD240	%NDFom	43.73	41.5 - 61.9
uNDFom30	%DM	25.99	16.5 - 29.5
uNDFom240	%DM	23.59	13.0 - 27.8
Starch	%DM	2.20	0.28 - 3.74
Fat (EE)	%DM	2.09	1.77 - 3.35
TFA (fat)	%DM	0.95	0.81 - 2.33
Ash	%DM	9.80	9.15 - 13.8
Calcium	%DM	1.34	1.19 - 1.84
Phosphorus	%DM	0.31	0.23 - 0.39
Magnesium	%DM	0.29	0.25 - 0.41
Potassium	%DM	2.62	1.83 - 3.36
Sulfur	%DM	0.20	0.17 - 0.33
Chloride	%DM	0.26	0.16 - 1.13
Sugar (ESC)	%DM	5.01	2.71 - 9.16
Sugar (WSC)	%DM	7.76	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	6.89		
		ADF	OARDC	MLK 2013
TDN		61.69	57.53	57.33
Nel 3x	Mcal/cwt	63.32	58.61	60.55
Neg	Mcal/cwt	33.61	33.53	33.41
Nem	Mcal/cwt	59.64	59.56	59.43
Milk per ton	lbs/ton			2611

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	18.60
NFC	%DM	30.94
NSC	%DM	9.96
RFV		130.55
RFQ		115.64
NDF kd rate Van Amb	%/hr	3.29