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Sample Date: 2024-09-24
Sample No.: 003-2409-1636366

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

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

Product: 4577
Lot Name:

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

Moisture	14.06%		
Dry Matter	85.94%		
		Dry Basis	90% Range*
Crude Protein	%DM	20.58	15.4 - 24.0
AD-ICP	%DM	2.01	1.08 - 2.13
ND-ICP w/SS	%DM	4.21	1.63 - 4.06
Protein Sol.	%CP	25.17	27.5 - 47.1
ADF	%DM	38.07	25.5 - 41.8
aNDF	%DM	47.04	29.6 - 51.8
aNDFom	%DM	44.34	27.3 - 48.5
Lignin (Sulfuric Acid)	%DM	8.25	5.84 - 9.64
Lignin	%NDFom	18.61	
NDFD 30	%NDFom	47.25	31.3 - 58.2
NDFD240	%NDFom	51.33	41.3 - 62.1
uNDFom30	%DM	23.39	12.3 - 29.5
uNDFom240	%DM	21.58	11.2 - 26.7
Starch	%DM	2.01	0.28 - 3.74
Fat (EE)	%DM	2.49	1.77 - 3.35
TFA (fat)	%DM	1.34	0.81 - 2.33
Ash	%DM	11.83	9.15 - 13.8
Calcium	%DM	1.23	1.19 - 1.84
Phosphorus	%DM	0.40	0.23 - 0.39
Magnesium	%DM	0.26	0.25 - 0.41
Potassium	%DM	3.60	1.83 - 3.36
Sulfur	%DM	0.25	0.17 - 0.33
Chloride	%DM	0.12	0.16 - 1.13
Sugar (ESC)	%DM	2.61	2.71 - 9.16
Sugar (WSC)	%DM	5.80	3.32 - 10.2

*Alfalfa hay statistics provided for comparison.

NDF kd rate MIR_P1	%/hr	8.58		
		ADF	OARDC	MLK 2013
TDN		59.24	54.43	58.55
Nel 3x	Mcal/cwt	60.59	55.16	58.88
Neg	Mcal/cwt	32.91	30.05	35.82
Nem	Mcal/cwt	58.88	55.75	62.08
Milk per ton	lbs/ton			2589

Calculations

Adjusted Crude Protein	%DM	20.58
NFC	%DM	25.12
NSC	%DM	7.81
RFV		117.10
RFQ		121.52
NDF kd rate Van Amb	%/hr	4.77