



Dairyland Laboratories
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Sample Date: 2024-01-09
Sample No.: 003-2401-1333857

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

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

Product: 3793

Test Mode: N8
Feed Type: Hay - Grass
Sub Type: Mixed

Moisture	20.71%		
Dry Matter	79.29%		
		Dry Basis	90% Range*
Crude Protein	%DM	8.73	4.95 - 16.5
AD-ICP	%DM	0.99	0.62 - 1.79
ND-ICP w/SS	%DM	2.50	1.29 - 4.68
Protein Sol.	%CP	24.74	8.61 - 48.9
ADF	%DM	44.02	31.8 - 50.2
aNDF	%DM	61.19	48.2 - 72.7
aNDFom	%DM	58.20	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	5.59	3.94 - 9.40
Lignin	%NDFom	9.60	
NDFD 30	%NDFom	38.51	36.2 - 65.5
NDFD240	%NDFom	59.38	52.4 - 80.6
uNDFom30	%DM	35.79	14.7 - 40.9
uNDFom240	%DM	23.64	10.3 - 30.4
Starch	%DM	3.21	0.25 - 7.32
Fat (EE)	%DM	2.21	1.58 - 3.71
TFA (fat)	%DM	0.95	0.49 - 2.17
Ash	%DM	12.80	6.12 - 13.0
Calcium	%DM	0.38	0.25 - 1.15
Phosphorus	%DM	0.21	0.11 - 0.35
Magnesium	%DM	0.20	0.12 - 0.33
Potassium	%DM	2.51	0.69 - 3.03
Sulfur	%DM	0.21	0.07 - 0.25
Chloride	%DM	0.95	0.07 - 0.89
Sugar (ESC)	%DM	9.13	2.16 - 10.4
Sugar (WSC)	%DM	11.05	3.29 - 12.9

*Mixed grass hay statistics provided for comparison.

NDF kd rate MIR_P1	%/hr	3.54		
		ADF	OARDC	MLK 2013
TDN	%DM	54.61	52.56	43.49
Nel 3x	Mcal/cwt	55.44	53.08	51.99
Neg	Mcal/cwt	25.81	22.62	9.75
Nem	Mcal/cwt	51.14	47.70	34.00
Milk per ton	lbs/ton			1935

Calculations

Adjusted Crude Protein	%DM	8.54
NFC	%DM	20.82
NSC	%DM	14.26
RFV		82.97
RFQ		82.92
NDF kd rate Van Amb	%/hr	2.19