



Dairyland Laboratories
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Sample Date: 2023-12-27
Sample No.: 003-2312-1323768

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

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

Product: 3782

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

Moisture	30.12%		
Dry Matter	69.88%		
		Dry Basis	90% Range*
Crude Protein	%DM	10.34	4.95 - 16.5
AD-ICP	%DM	1.24	0.62 - 1.79
ND-ICP w/SS	%DM	3.38	1.29 - 4.68
Protein Sol.	%CP	21.08	8.61 - 48.9
ADF	%DM	38.38	31.8 - 50.2
aNDF	%DM	56.66	48.2 - 72.7
aNDFom	%DM	53.08	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	5.65	3.94 - 9.40
Lignin	%NDFom	10.64	
NDFD 30	%NDFom	36.62	36.2 - 65.5
NDFD240	%NDFom	59.76	52.4 - 80.6
uNDFom30	%DM	33.64	14.7 - 40.9
uNDFom240	%DM	21.36	10.3 - 30.4
Starch	%DM	2.19	0.25 - 7.32
Fat (EE)	%DM	2.81	1.58 - 3.71
TFA (fat)	%DM	1.12	0.49 - 2.17
Ash	%DM	10.14	6.12 - 13.0
Calcium	%DM	0.71	0.25 - 1.15
Phosphorus	%DM	0.23	0.11 - 0.35
Magnesium	%DM	0.30	0.12 - 0.33
Potassium	%DM	1.91	0.69 - 3.03
Sulfur	%DM	0.22	0.07 - 0.25
Chloride	%DM	0.53	0.07 - 0.89
Sugar (ESC)	%DM	9.61	2.16 - 10.4
Sugar (WSC)	%DM	12.26	3.29 - 12.9

*Mixed grass hay statistics provided for comparison.

NDF kd rate MIR_P1	%/hr	3.22		
		ADF	OARDC	MLK 2013
TDN	%DM	59.00	56.83	49.09
Nel 3x	Mcal/cwt	60.33	57.83	58.97
Neg	Mcal/cwt	28.20	29.08	18.68
Nem	Mcal/cwt	53.74	54.69	43.47
Milk per ton	lbs/ton			2363

Calculations

Adjusted Crude Protein	%DM	10.01
NFC	%DM	27.70
NSC	%DM	14.45
RFV		96.96
RFQ		109.23
NDF kd rate Van Amb	%/hr	2.11