



Dairyland Laboratories  
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**Sample Date:** 2024-04-22  
**Sample No.:** 003-2404-1430637

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

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

**Product:** 4186

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

Moisture	17.36%		
Dry Matter	82.64%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	11.76	4.95 - 16.5
AD-ICP	%DM	1.63	0.62 - 1.79
ND-ICP w/SS	%DM	5.06	1.29 - 4.68
Protein Sol.	%CP	26.62	8.61 - 48.9
ADF	%DM	47.38	31.8 - 50.2
aNDF	%DM	73.19	48.2 - 72.7
aNDFom	%DM	70.50	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	6.75	3.94 - 9.40
Lignin	%NDFom	9.57	
NDFD 30	%NDFom	39.80	36.2 - 65.5
NDFD240	%NDFom	58.50	52.4 - 80.6
uNDFom30	%DM	42.44	14.7 - 40.9
uNDFom240	%DM	29.26	10.3 - 30.4
Starch	%DM	1.06	0.25 - 7.32
Fat (EE)	%DM	1.71	1.58 - 3.71
TFA (fat)	%DM	0.56	0.49 - 2.17
Ash	%DM	9.75	6.12 - 13.0
Calcium	%DM	0.44	0.25 - 1.15
Phosphorus	%DM	0.23	0.11 - 0.35
Magnesium	%DM	0.26	0.12 - 0.33
Potassium	%DM	1.87	0.69 - 3.03
Sulfur	%DM	0.25	0.07 - 0.25
Chloride	%DM	0.94	0.07 - 0.89
Sugar (ESC)	%DM	2.50	2.16 - 10.4
Sugar (WSC)	%DM	3.00	3.29 - 12.9

NDF kd rate MIR_P1	%/hr	3.87		
		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		51.99	49.78	40.58
Nel 3x	Mcal/cwt	52.52	49.98	49.57
Neg	Mcal/cwt	21.98	19.78	6.74
Nem	Mcal/cwt	47.01	44.64	30.83
Milk per ton	lbs/ton			1794

\*Mixed grass hay statistics provided for comparison.

**Calculations**

Adjusted Crude Protein	%DM	11.03
NFC	%DM	11.49
NSC	%DM	4.06
RFV		66.10
RFQ		69.97
NDF kd rate Van Amb	%/hr	2.26