



Dairyland Laboratories  
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**Sample Date:** 2024-04-22  
**Sample No.:** 003-2404-1430658

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

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

**Product:** 4190

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

Moisture	15.49%		
Dry Matter	84.51%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	15.77	13.7 - 23.9
AD-ICP	%DM	1.45	1.06 - 2.09
ND-ICP w/SS	%DM	2.52	1.47 - 4.24
Protein Sol.	%CP	44.20	26.1 - 46.1
ADF	%DM	39.73	25.8 - 41.6
aNDF	%DM	49.00	32.3 - 55.6
aNDFom	%DM	47.49	29.9 - 53.5
Lignin (Sulfuric Acid)	%DM	8.20	5.44 - 9.38
Lignin	%NDFom	17.27	
NDFD 30	%NDFom	40.91	32.1 - 54.7
NDFD240	%NDFom	48.47	43.0 - 70.7
uNDFom30	%DM	28.06	16.4 - 29.7
uNDFom240	%DM	24.47	12.2 - 28.8
Starch	%DM	0.25	0.29 - 3.75
Fat (EE)	%DM	2.28	1.88 - 3.44
TFA (fat)	%DM	1.03	0.87 - 2.47
Ash	%DM	9.55	8.88 - 13.8
Calcium	%DM	1.54	0.93 - 1.81
Phosphorus	%DM	0.28	0.24 - 0.39
Magnesium	%DM	0.37	0.23 - 0.40
Potassium	%DM	1.64	1.76 - 3.37
Sulfur	%DM	0.20	0.16 - 0.33
Chloride	%DM	0.37	0.13 - 1.12
Sugar (ESC)	%DM	7.54	3.04 - 9.57
Sugar (WSC)	%DM	8.92	3.67 - 10.5

NDF kd rate MIR_P1	%/hr	6.30		
		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		57.95	55.21	55.35
Nel 3x	Mcal/cwt	59.16	56.03	58.35
Neg	Mcal/cwt	29.74	29.20	29.64
Nem	Mcal/cwt	55.41	54.82	55.30
Milk per ton	lbs/ton			2468

\*Mixed hay statistics provided for comparison.

**Calculations**

Adjusted Crude Protein	%DM	15.77
NFC	%DM	27.68
NSC	%DM	9.17
RFV		110.06
RFQ		103.39
NDF kd rate Van Amb	%/hr	3.49