



Dairyland Laboratories  
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**Sample Date:** 2024-04-08  
**Sample No.:** 003-2404-1419179

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

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

**Product:** 4168

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

Moisture	15.48%		
Dry Matter	84.52%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	15.24	13.7 - 23.9
AD-ICP	%DM	1.05	1.06 - 2.09
ND-ICP w/SS	%DM	2.54	1.47 - 4.24
Protein Sol.	%CP	38.98	26.1 - 46.1
ADF	%DM	35.29	25.8 - 41.6
aNDF	%DM	45.97	32.3 - 55.6
aNDFom	%DM	44.24	29.9 - 53.5
Lignin (Sulfuric Acid)	%DM	6.99	5.44 - 9.38
Lignin	%NDFom	15.80	
NDFD 30	%NDFom	45.32	32.1 - 54.7
NDFD240	%NDFom	51.79	43.0 - 70.7
uNDFom30	%DM	24.19	16.4 - 29.7
uNDFom240	%DM	21.33	12.2 - 28.8
Starch	%DM	1.67	0.29 - 3.75
Fat (EE)	%DM	2.57	1.88 - 3.44
TFA (fat)	%DM	1.04	0.87 - 2.47
Ash	%DM	9.53	8.88 - 13.8
Calcium	%DM	1.38	0.93 - 1.81
Phosphorus	%DM	0.31	0.24 - 0.39
Magnesium	%DM	0.36	0.23 - 0.40
Potassium	%DM	1.93	1.76 - 3.37
Sulfur	%DM	0.21	0.16 - 0.33
Chloride	%DM	0.68	0.13 - 1.12
Sugar (ESC)	%DM	9.36	3.04 - 9.57
Sugar (WSC)	%DM	10.59	3.67 - 10.5

NDF kd rate MIR_P1	%/hr	7.05		
		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		61.41	58.28	59.11
Nel 3x	Mcal/cwt	63.01	59.45	61.51
Neg	Mcal/cwt	30.89	33.23	34.38
Nem	Mcal/cwt	56.66	59.23	60.50
Milk per ton	lbs/ton			2714

\*Mixed hay statistics provided for comparison.

**Calculations**

Adjusted Crude Protein	%DM	15.24
NFC	%DM	31.49
NSC	%DM	12.26
RFV		124.25
RFQ		123.69
NDF kd rate Van Amb	%/hr	3.78