



Dairyland Laboratories  
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**Sample Date:** 2024-05-14  
**Sample No.:** 003-2405-1448117

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

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

**Product:** 3931

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

Moisture	13.68%		
Dry Matter	86.32%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	17.29	4.95 - 16.5
AD-ICP	%DM	1.61	0.62 - 1.79
ND-ICP w/SS	%DM	4.72	1.29 - 4.68
Protein Sol.	%CP	29.90	8.61 - 48.9
ADF	%DM	37.86	31.8 - 50.2
aNDF	%DM	56.92	48.2 - 72.7
aNDFom	%DM	54.32	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	5.62	3.94 - 9.40
Lignin	%NDFom	10.35	
NDFD 30	%NDFom	44.53	36.2 - 65.5
NDFD240	%NDFom	64.86	52.4 - 80.6
uNDFom30	%DM	30.13	14.7 - 40.9
uNDFom240	%DM	19.09	10.3 - 30.4
Starch	%DM	0.45	0.25 - 7.32
Fat (EE)	%DM	2.54	1.58 - 3.71
TFA (fat)	%DM	1.08	0.49 - 2.17
Ash	%DM	13.28	6.12 - 13.0
Calcium	%DM	0.80	0.25 - 1.15
Phosphorus	%DM	0.29	0.11 - 0.35
Magnesium	%DM	0.31	0.12 - 0.33
Potassium	%DM	2.55	0.69 - 3.03
Sulfur	%DM	0.29	0.07 - 0.25
Chloride	%DM	0.81	0.07 - 0.89
Sugar (ESC)	%DM	6.11	2.16 - 10.4
Sugar (WSC)	%DM	7.38	3.29 - 12.9

NDF kd rate MIR_P1	%/hr	3.93		
		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		59.41	53.48	49.32
Nel 3x	Mcal/cwt	60.78	54.10	55.90
Neg	Mcal/cwt	30.42	27.48	22.04
Nem	Mcal/cwt	56.15	52.95	47.07
Milk per ton	lbs/ton			2255

\*Mixed grass hay statistics provided for comparison.

**Calculations**

Adjusted Crude Protein	%DM	17.29
NFC	%DM	17.75
NSC	%DM	7.83
RFV		97.17
RFQ		98.63
NDF kd rate Van Amb	%/hr	2.73