



Dairyland Laboratories  
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**Sample Date:** 2024-04-08  
**Sample No.:** 003-2404-1419170

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

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

**Product:** 4151

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

Moisture	18.88%		
Dry Matter	81.12%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	14.00	4.95 - 16.5
AD-ICP	%DM	1.18	0.62 - 1.79
ND-ICP w/SS	%DM	3.14	1.29 - 4.68
Protein Sol.	%CP	39.64	8.61 - 48.9
ADF	%DM	40.91	31.8 - 50.2
aNDF	%DM	56.76	48.2 - 72.7
aNDFom	%DM	54.64	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	5.76	3.94 - 9.40
Lignin	%NDFom	10.54	
NDFD 30	%NDFom	52.84	36.2 - 65.5
NDFD240	%NDFom	64.66	52.4 - 80.6
uNDFom30	%DM	25.77	14.7 - 40.9
uNDFom240	%DM	19.31	10.3 - 30.4
Starch	%DM	2.59	0.25 - 7.32
Fat (EE)	%DM	2.66	1.58 - 3.71
TFA (fat)	%DM	1.04	0.49 - 2.17
Ash	%DM	10.93	6.12 - 13.0
Calcium	%DM	0.88	0.25 - 1.15
Phosphorus	%DM	0.30	0.11 - 0.35
Magnesium	%DM	0.32	0.12 - 0.33
Potassium	%DM	2.60	0.69 - 3.03
Sulfur	%DM	0.27	0.07 - 0.25
Chloride	%DM	0.74	0.07 - 0.89
Sugar (ESC)	%DM	5.16	2.16 - 10.4
Sugar (WSC)	%DM	6.39	3.29 - 12.9

NDF kd rate MIR_P1	%/hr	5.76		
		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		57.03	55.36	54.63
Nel 3x	Mcal/cwt	58.13	56.20	59.73
Neg	Mcal/cwt	29.37	28.76	27.94
Nem	Mcal/cwt	55.01	54.34	53.45
Milk per ton	lbs/ton			2586

\*Mixed grass hay statistics provided for comparison.

**Calculations**

Adjusted Crude Protein	%DM	14.00
NFC	%DM	21.53
NSC	%DM	8.98
RFV		93.28
RFQ		113.98
NDF kd rate Van Amb	%/hr	3.67