



Dairyland Laboratories  
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**Sample Date:** 2024-05-14  
**Sample No.:** 003-2405-1448119

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

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

**Product:** 4501

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

Moisture	10.62%		
Dry Matter	89.38%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	15.46	4.95 - 16.5
AD-ICP	%DM	1.25	0.62 - 1.79
ND-ICP w/SS	%DM	4.26	1.29 - 4.68
Protein Sol.	%CP	29.82	8.61 - 48.9
ADF	%DM	36.65	31.8 - 50.2
aNDF	%DM	52.72	48.2 - 72.7
aNDFom	%DM	50.16	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	4.96	3.94 - 9.40
Lignin	%NDFom	9.89	
NDFD 30	%NDFom	49.72	36.2 - 65.5
NDFD240	%NDFom	67.74	52.4 - 80.6
uNDFom30	%DM	25.22	14.7 - 40.9
uNDFom240	%DM	16.18	10.3 - 30.4
Starch	%DM	0.81	0.25 - 7.32
Fat (EE)	%DM	3.17	1.58 - 3.71
TFA (fat)	%DM	1.32	0.49 - 2.17
Ash	%DM	11.76	6.12 - 13.0
Calcium	%DM	0.79	0.25 - 1.15
Phosphorus	%DM	0.31	0.11 - 0.35
Magnesium	%DM	0.28	0.12 - 0.33
Potassium	%DM	2.77	0.69 - 3.03
Sulfur	%DM	0.25	0.07 - 0.25
Chloride	%DM	0.58	0.07 - 0.89
Sugar (ESC)	%DM	7.39	2.16 - 10.4
Sugar (WSC)	%DM	8.06	3.29 - 12.9

NDF kd rate MIR_P1	%/hr	4.49		
		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		60.35	57.72	55.50
Nel 3x	Mcal/cwt	61.83	58.82	61.54
Neg	Mcal/cwt	31.51	32.52	29.73
Nem	Mcal/cwt	57.35	58.45	55.40
Milk per ton	lbs/ton			2672

\*Mixed grass hay statistics provided for comparison.

**Calculations**

Adjusted Crude Protein	%DM	15.46
NFC	%DM	24.56
NSC	%DM	8.87
RFV		106.67
RFQ		123.00
NDF kd rate Van Amb	%/hr	3.17