



Dairyland Laboratories  
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**Sample Date:** 2024-04-09  
**Sample No.:** 003-2404-1419927

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

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

**Product:** 7669

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

Moisture	17.35%		
Dry Matter	82.65%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	13.66	4.95 - 16.5
AD-ICP	%DM	1.28	0.62 - 1.79
ND-ICP w/SS	%DM	4.04	1.29 - 4.68
Protein Sol.	%CP	32.14	8.61 - 48.9
ADF	%DM	40.14	31.8 - 50.2
aNDF	%DM	56.42	48.2 - 72.7
aNDFom	%DM	53.66	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	4.90	3.94 - 9.40
Lignin	%NDFom	9.13	
NDFD 30	%NDFom	45.99	36.2 - 65.5
NDFD240	%NDFom	65.64	52.4 - 80.6
uNDFom30	%DM	28.98	14.7 - 40.9
uNDFom240	%DM	18.44	10.3 - 30.4
Starch	%DM	1.99	0.25 - 7.32
Fat (EE)	%DM	2.63	1.58 - 3.71
TFA (fat)	%DM	1.15	0.49 - 2.17
Ash	%DM	14.10	6.12 - 13.0
Calcium	%DM	0.70	0.25 - 1.15
Phosphorus	%DM	0.27	0.11 - 0.35
Magnesium	%DM	0.30	0.12 - 0.33
Potassium	%DM	2.46	0.69 - 3.03
Sulfur	%DM	0.26	0.07 - 0.25
Chloride	%DM	0.73	0.07 - 0.89
Sugar (ESC)	%DM	7.37	2.16 - 10.4
Sugar (WSC)	%DM	9.12	3.29 - 12.9

NDF kd rate MIR_P1	%/hr	4.09		
		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		57.63	54.15	49.44
Nel 3x	Mcal/cwt	58.80	54.85	55.45
Neg	Mcal/cwt	29.41	26.93	20.64
Nem	Mcal/cwt	55.05	52.35	45.57
Milk per ton	lbs/ton			2242

\*Mixed grass hay statistics provided for comparison.

**Calculations**

Adjusted Crude Protein	%DM	13.66
NFC	%DM	20.47
NSC	%DM	11.11
RFV		95.16
RFQ		100.89
NDF kd rate Van Amb	%/hr	2.73