



Dairyland Laboratories  
 919 Lincoln Ave.  
 Sauk Rapids, MN 56379  
**Telephone:** 320-240-1737  
**Fax:** 320-240-1838  
**Email:** info@dairylandlabs.com

**Sample Date:** 2024-04-22  
**Sample No.:** 003-2404-1430634

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

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

**Product:** 4195

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

Moisture	13.24%		
Dry Matter	86.76%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	10.57	4.95 - 16.5
AD-ICP	%DM	1.10	0.62 - 1.79
ND-ICP w/SS	%DM	3.63	1.29 - 4.68
Protein Sol.	%CP	35.19	8.61 - 48.9
ADF	%DM	40.69	31.8 - 50.2
aNDF	%DM	62.24	48.2 - 72.7
aNDFom	%DM	58.57	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	5.64	3.94 - 9.40
Lignin	%NDFom	9.63	
NDFD 30	%NDFom	41.40	36.2 - 65.5
NDFD240	%NDFom	59.81	52.4 - 80.6
uNDFom30	%DM	34.32	14.7 - 40.9
uNDFom240	%DM	23.54	10.3 - 30.4
Starch	%DM	2.34	0.25 - 7.32
Fat (EE)	%DM	2.88	1.58 - 3.71
TFA (fat)	%DM	0.99	0.49 - 2.17
Ash	%DM	10.95	6.12 - 13.0
Calcium	%DM	0.64	0.25 - 1.15
Phosphorus	%DM	0.22	0.11 - 0.35
Magnesium	%DM	0.29	0.12 - 0.33
Potassium	%DM	1.88	0.69 - 3.03
Sulfur	%DM	0.21	0.07 - 0.25
Chloride	%DM	0.75	0.07 - 0.89
Sugar (ESC)	%DM	9.17	2.16 - 10.4
Sugar (WSC)	%DM	11.02	3.29 - 12.9

NDF kd rate MIR_P1	%/hr	3.99		
		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		57.20	54.48	47.21
Nel 3x	Mcal/cwt	58.32	55.22	55.47
Neg	Mcal/cwt	26.01	26.05	16.07
Nem	Mcal/cwt	51.36	51.40	40.69
Milk per ton	lbs/ton			2193

\*Mixed grass hay statistics provided for comparison.

**Calculations**

Adjusted Crude Protein	%DM	10.50
NFC	%DM	21.55
NSC	%DM	13.36
RFV		85.58
RFQ		100.95
NDF kd rate Van Amb	%/hr	2.40