



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

**Sample Date:** 2024-04-09  
**Sample No.:** 003-2404-1419915

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

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

**Product:** 4156

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

Moisture	21.44%		
Dry Matter	78.56%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	18.49	13.7 - 23.9
AD-ICP	%DM	1.48	1.06 - 2.09
ND-ICP w/SS	%DM	2.89	1.47 - 4.24
Protein Sol.	%CP	35.05	26.1 - 46.1
ADF	%DM	39.43	25.8 - 41.6
aNDF	%DM	48.20	32.3 - 55.6
aNDFom	%DM	46.24	29.9 - 53.5
Lignin (Sulfuric Acid)	%DM	8.77	5.44 - 9.38
Lignin	%NDFom	18.97	
NDFD 30	%NDFom	43.58	32.1 - 54.7
NDFD240	%NDFom	51.69	43.0 - 70.7
uNDFom30	%DM	26.09	16.4 - 29.7
uNDFom240	%DM	22.34	12.2 - 28.8
Starch	%DM	2.12	0.29 - 3.75
Fat (EE)	%DM	2.06	1.88 - 3.44
TFA (fat)	%DM	0.87	0.87 - 2.47
Ash	%DM	9.65	8.88 - 13.8
Calcium	%DM	1.30	0.93 - 1.81
Phosphorus	%DM	0.30	0.24 - 0.39
Magnesium	%DM	0.29	0.23 - 0.40
Potassium	%DM	2.41	1.76 - 3.37
Sulfur	%DM	0.20	0.16 - 0.33
Chloride	%DM	0.12	0.13 - 1.12
Sugar (ESC)	%DM	4.69	3.04 - 9.57
Sugar (WSC)	%DM	5.89	3.67 - 10.5

NDF kd rate MIR_P1	%/hr	6.28		
		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		58.18	54.80	57.01
Nel 3x	Mcal/cwt	59.41	55.57	59.41
Neg	Mcal/cwt	31.00	29.84	32.93
Nem	Mcal/cwt	56.79	55.52	58.90
Milk per ton	lbs/ton			2563

\*Mixed hay statistics provided for comparison.

**Calculations**

Adjusted Crude Protein	%DM	18.49
NFC	%DM	26.64
NSC	%DM	8.01
RFV		112.30
RFQ		111.15
NDF kd rate Van Amb	%/hr	4.36