



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

**Sample Date:** 2024-04-08  
**Sample No.:** 003-2404-1419176

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

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

**Product:** 4163

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

Moisture	21.43%		
Dry Matter	78.57%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	18.12	13.7 - 23.9
AD-ICP	%DM	1.53	1.06 - 2.09
ND-ICP w/SS	%DM	3.72	1.47 - 4.24
Protein Sol.	%CP	39.18	26.1 - 46.1
ADF	%DM	40.05	25.8 - 41.6
aNDF	%DM	50.76	32.3 - 55.6
aNDFom	%DM	49.08	29.9 - 53.5
Lignin (Sulfuric Acid)	%DM	8.33	5.44 - 9.38
Lignin	%NDFom	16.97	
NDFD 30	%NDFom	53.71	32.1 - 54.7
NDFD240	%NDFom	59.07	43.0 - 70.7
uNDFom30	%DM	22.72	16.4 - 29.7
uNDFom240	%DM	20.09	12.2 - 28.8
Starch	%DM	0.60	0.29 - 3.75
Fat (EE)	%DM	1.94	1.88 - 3.44
TFA (fat)	%DM	1.01	0.87 - 2.47
Ash	%DM	10.39	8.88 - 13.8
Calcium	%DM	1.53	0.93 - 1.81
Phosphorus	%DM	0.38	0.24 - 0.39
Magnesium	%DM	0.39	0.23 - 0.40
Potassium	%DM	2.36	1.76 - 3.37
Sulfur	%DM	0.19	0.16 - 0.33
Chloride	%DM	0.43	0.13 - 1.12
Sugar (ESC)	%DM	6.98	3.04 - 9.57
Sugar (WSC)	%DM	8.18	3.67 - 10.5

NDF kd rate MIR_P1	%/hr	8.14		
		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		57.70	54.02	59.94
Nel 3x	Mcal/cwt	58.88	54.70	59.23
Neg	Mcal/cwt	29.75	28.61	36.61
Nem	Mcal/cwt	55.42	54.18	62.95
Milk per ton	lbs/ton			2640

\*Mixed hay statistics provided for comparison.

**Calculations**

Adjusted Crude Protein	%DM	18.12
NFC	%DM	24.12
NSC	%DM	8.78
RFV		105.56
RFQ		125.37
NDF kd rate Van Amb	%/hr	5.71