



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

**Sample Date:** 2024-05-14  
**Sample No.:** 003-2405-1448104

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

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

**Product:** 3918

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

Moisture	10.41%		
Dry Matter	89.59%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	13.76	4.95 - 16.5
AD-ICP	%DM	1.01	0.62 - 1.79
ND-ICP w/SS	%DM	3.76	1.29 - 4.68
Protein Sol.	%CP	27.98	8.61 - 48.9
ADF	%DM	38.76	31.8 - 50.2
aNDF	%DM	57.32	48.2 - 72.7
aNDFom	%DM	54.50	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	4.73	3.94 - 9.40
Lignin	%NDFom	8.68	
NDFD 30	%NDFom	48.31	36.2 - 65.5
NDFD240	%NDFom	67.96	52.4 - 80.6
uNDFom30	%DM	28.17	14.7 - 40.9
uNDFom240	%DM	17.46	10.3 - 30.4
Starch	%DM	1.70	0.25 - 7.32
Fat (EE)	%DM	2.74	1.58 - 3.71
TFA (fat)	%DM	1.18	0.49 - 2.17
Ash	%DM	12.14	6.12 - 13.0
Calcium	%DM	0.62	0.25 - 1.15
Phosphorus	%DM	0.27	0.11 - 0.35
Magnesium	%DM	0.27	0.12 - 0.33
Potassium	%DM	2.16	0.69 - 3.03
Sulfur	%DM	0.26	0.07 - 0.25
Chloride	%DM	0.59	0.07 - 0.89
Sugar (ESC)	%DM	8.37	2.16 - 10.4
Sugar (WSC)	%DM	9.14	3.29 - 12.9

NDF kd rate MIR_P1	%/hr	4.21		
		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		58.71	56.35	51.87
Nel 3x	Mcal/cwt	60.00	57.30	57.90
Neg	Mcal/cwt	29.08	30.06	24.07
Nem	Mcal/cwt	54.69	55.76	49.26
Milk per ton	lbs/ton			2423

\*Mixed grass hay statistics provided for comparison.

**Calculations**

Adjusted Crude Protein	%DM	13.76
NFC	%DM	21.18
NSC	%DM	10.84
RFV		95.12
RFQ		112.16
NDF kd rate Van Amb	%/hr	2.89