



Dairyland Laboratories  
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**Sample Date:** 2024-04-08  
**Sample No.:** 003-2404-1419169

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

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

**Product:** 4148

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

Moisture	30.34%		
Dry Matter	69.66%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	11.11	4.95 - 16.5
AD-ICP	%DM	1.07	0.62 - 1.79
ND-ICP w/SS	%DM	3.71	1.29 - 4.68
Protein Sol.	%CP	35.46	8.61 - 48.9
ADF	%DM	40.91	31.8 - 50.2
aNDF	%DM	63.71	48.2 - 72.7
aNDFom	%DM	60.17	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	5.34	3.94 - 9.40
Lignin	%NDFom	8.87	
NDFD 30	%NDFom	41.05	36.2 - 65.5
NDFD240	%NDFom	60.89	52.4 - 80.6
uNDFom30	%DM	35.47	14.7 - 40.9
uNDFom240	%DM	23.53	10.3 - 30.4
Starch	%DM	1.03	0.25 - 7.32
Fat (EE)	%DM	2.94	1.58 - 3.71
TFA (fat)	%DM	1.03	0.49 - 2.17
Ash	%DM	10.44	6.12 - 13.0
Calcium	%DM	0.55	0.25 - 1.15
Phosphorus	%DM	0.18	0.11 - 0.35
Magnesium	%DM	0.32	0.12 - 0.33
Potassium	%DM	1.78	0.69 - 3.03
Sulfur	%DM	0.28	0.07 - 0.25
Chloride	%DM	0.90	0.07 - 0.89
Sugar (ESC)	%DM	8.38	2.16 - 10.4
Sugar (WSC)	%DM	10.01	3.29 - 12.9

NDF kd rate MIR_P1	%/hr	3.80		
		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		57.03	55.09	46.64
Nel 3x	Mcal/cwt	58.13	55.90	55.18
Neg	Mcal/cwt	25.59	27.14	15.49
Nem	Mcal/cwt	50.90	52.59	40.07
Milk per ton	lbs/ton			2170

\*Mixed grass hay statistics provided for comparison.

**Calculations**

Adjusted Crude Protein	%DM	11.11
NFC	%DM	19.96
NSC	%DM	11.04
RFV		83.11
RFQ		99.80
NDF kd rate Van Amb	%/hr	2.30