



Dairyland Laboratories  
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**Sample Date:** 2024-02-12  
**Sample No.:** 003-2402-1367469

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

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

**Product:** 3961

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

Moisture	18.40%		
Dry Matter	81.60%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	16.37	13.7 - 23.9
AD-ICP	%DM	1.24	1.06 - 2.09
ND-ICP w/SS	%DM	4.03	1.47 - 4.24
Protein Sol.	%CP	31.95	26.1 - 46.1
ADF	%DM	38.39	25.8 - 41.6
aNDF	%DM	54.53	32.3 - 55.6
aNDFom	%DM	52.54	29.9 - 53.5
Lignin (Sulfuric Acid)	%DM	6.38	5.44 - 9.38
Lignin	%NDFom	12.14	
NDFD 30	%NDFom	50.36	32.1 - 54.7
NDFD240	%NDFom	61.42	43.0 - 70.7
uNDFom30	%DM	26.08	16.4 - 29.7
uNDFom240	%DM	20.27	12.2 - 28.8
Starch	%DM	0.71	0.29 - 3.75
Fat (EE)	%DM	2.58	1.88 - 3.44
TFA (fat)	%DM	1.15	0.87 - 2.47
Ash	%DM	9.36	8.88 - 13.8
Calcium	%DM	0.99	0.93 - 1.81
Phosphorus	%DM	0.33	0.24 - 0.39
Magnesium	%DM	0.36	0.23 - 0.40
Potassium	%DM	1.93	1.76 - 3.37
Sulfur	%DM	0.25	0.16 - 0.33
Chloride	%DM	0.83	0.13 - 1.12
Sugar (ESC)	%DM	6.76	3.04 - 9.57
Sugar (WSC)	%DM	7.75	3.67 - 10.5

NDF kd rate MIR_P1	%/hr	5.81		
		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN	%DM	58.99	57.02	58.19
Nel 3x	Mcal/cwt	60.31	58.05	58.21
Neg	Mcal/cwt	27.53	31.99	33.64
Nem	Mcal/cwt	53.01	57.87	59.68
Milk per ton	lbs/ton			2546

\*Mixed hay statistics provided for comparison.

**Calculations**

Adjusted Crude Protein	%DM	16.37
NFC	%DM	23.61
NSC	%DM	8.46
RFV		100.60
RFQ		109.10
NDF kd rate Van Amb	%/hr	3.63