



Dairyland Laboratories  
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**Sample Date:** 2024-04-22  
**Sample No.:** 003-2404-1430662

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

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

**Product:** 4196

**Test Mode:** N8  
**Feed Type:** Hay - Legume  
**Sub Type:** Alfalfa

Moisture	14.35%		
Dry Matter	85.65%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	18.05	15.4 - 24.0
AD-ICP	%DM	1.32	1.08 - 2.13
ND-ICP w/SS	%DM	2.46	1.63 - 4.06
Protein Sol.	%CP	39.56	27.5 - 47.1
ADF	%DM	36.17	25.5 - 41.8
aNDF	%DM	44.27	31.9 - 51.8
aNDFom	%DM	42.89	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	7.17	5.84 - 9.64
Lignin	%NDFom	16.72	
NDFD 30	%NDFom	41.38	31.3 - 48.1
NDFD240	%NDFom	46.82	41.5 - 61.9
uNDFom30	%DM	25.14	16.5 - 29.5
uNDFom240	%DM	22.81	13.0 - 27.8
Starch	%DM	1.32	0.28 - 3.74
Fat (EE)	%DM	2.16	1.77 - 3.35
TFA (fat)	%DM	0.89	0.81 - 2.33
Ash	%DM	10.46	9.15 - 13.8
Calcium	%DM	1.79	1.19 - 1.84
Phosphorus	%DM	0.26	0.23 - 0.39
Magnesium	%DM	0.41	0.25 - 0.41
Potassium	%DM	1.80	1.83 - 3.36
Sulfur	%DM	0.24	0.17 - 0.33
Chloride	%DM	0.23	0.16 - 1.13
Sugar (ESC)	%DM	5.75	2.71 - 9.16
Sugar (WSC)	%DM	7.11	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	7.30		
		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		60.72	57.13	56.97
Nel 3x	Mcal/cwt	62.24	58.17	58.93
Neg	Mcal/cwt	33.27	32.81	32.71
Nem	Mcal/cwt	59.27	58.77	58.65
Milk per ton	lbs/ton			2539

\*Alfalfa hay statistics provided for comparison.

**Calculations**

Adjusted Crude Protein	%DM	18.05
NFC	%DM	29.17
NSC	%DM	8.43
RFV		127.56
RFQ		118.92
NDF kd rate Van Amb	%/hr	3.43