



Dairyland Laboratories  
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**Sample Date:** 2024-04-22  
**Sample No.:** 003-2404-1430635

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

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

**Product:** 4199

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

Moisture	16.67%		
Dry Matter	83.33%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	18.46	15.4 - 24.0
AD-ICP	%DM	1.43	1.08 - 2.13
ND-ICP w/SS	%DM	3.33	1.63 - 4.06
Protein Sol.	%CP	49.30	27.5 - 47.1
ADF	%DM	35.29	25.5 - 41.8
aNDF	%DM	45.20	31.9 - 51.8
aNDFom	%DM	42.97	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	6.18	5.84 - 9.64
Lignin	%NDFom	14.38	
NDFD 30	%NDFom	46.54	31.3 - 48.1
NDFD240	%NDFom	51.90	41.5 - 61.9
uNDFom30	%DM	22.97	16.5 - 29.5
uNDFom240	%DM	20.67	13.0 - 27.8
Starch	%DM	0.25	0.28 - 3.74
Fat (EE)	%DM	2.82	1.77 - 3.35
TFA (fat)	%DM	1.25	0.81 - 2.33
Ash	%DM	13.11	9.15 - 13.8
Calcium	%DM	1.39	1.19 - 1.84
Phosphorus	%DM	0.32	0.23 - 0.39
Magnesium	%DM	0.40	0.25 - 0.41
Potassium	%DM	2.16	1.83 - 3.36
Sulfur	%DM	0.25	0.17 - 0.33
Chloride	%DM	1.04	0.16 - 1.13
Sugar (ESC)	%DM	6.95	2.71 - 9.16
Sugar (WSC)	%DM	7.53	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	7.70		
		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		61.41	56.38	57.27
Nel 3x	Mcal/cwt	63.01	57.33	57.43
Neg	Mcal/cwt	33.00	31.98	33.29
Nem	Mcal/cwt	58.98	57.86	59.30
Milk per ton	lbs/ton			2489

\*Alfalfa hay statistics provided for comparison.

**Calculations**

Adjusted Crude Protein	%DM	18.46
NFC	%DM	26.54
NSC	%DM	7.78
RFV		126.15
RFQ		122.93
NDF kd rate Van Amb	%/hr	3.58