



Dairyland Laboratories  
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**Sample Date:** 2024-04-08  
**Sample No.:** 003-2404-1419181

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

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

**Product:** 4170

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

Moisture	42.55%		
Dry Matter	57.45%		
pH	5.30		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	17.87	16.9 - 24.6
AD-ICP	%DM	1.57	1.00 - 2.45
ND-ICP w/SS	%DM	3.38	1.60 - 3.95
Protein Sol.	%CP	52.10	37.8 - 67.5
ADF	%DM	39.67	27.2 - 40.4
aNDF	%DM	46.05	33.0 - 47.8
aNDFom	%DM	44.26	30.3 - 45.4
Lignin (Sulfuric Acid)	%DM	8.36	6.12 - 10.1
Lignin	%NDFom	18.89	
NDFD 30	%NDFom	39.18	36.2 - 55.3
NDFD240	%NDFom	45.12	44.9 - 66.6
uNDFom30	%DM	26.92	15.0 - 27.0
uNDFom240	%DM	24.29	11.9 - 23.7
Starch	%DM	0.99	0.20 - 3.91
Fat (EE)	%DM	2.37	2.47 - 4.43
TFA (fat)	%DM	1.05	1.08 - 3.16
Ash	%DM	9.44	9.01 - 14.4
Calcium	%DM	1.39	1.02 - 1.60
Phosphorus	%DM	0.31	0.29 - 0.43
Magnesium	%DM	0.32	0.24 - 0.40
Potassium	%DM	2.43	2.13 - 3.53
Sulfur	%DM	0.24	0.19 - 0.32
Chloride	%DM	0.33	0.21 - 1.18
Sugar (ESC)	%DM	3.85	0.99 - 6.90
Sugar (WSC)	%DM	5.13	1.36 - 8.20

NDF kd rate Van Amb	%/hr	3.51		
NDF kd rate MIR_P1	%/hr	6.87		
		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		58.00	56.46	57.02
Nel 3x	Mcal/cwt	59.21	57.42	59.84
Neg	Mcal/cwt	30.86	31.74	32.71
Nem	Mcal/cwt	56.63	57.60	58.66
Milk per ton	lbs/ton			2577

\*Alfalfa haylage statistics provided for comparison.

**Calculations**

Adjusted Crude Protein	%DM	17.87
NFC	%DM	29.76
NSC	%DM	6.12
RFV		117.35
RFQ		111.17