



Dairyland Laboratories  
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**Sample Date:** 2024-04-22  
**Sample No.:** 003-2404-1430660

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

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

**Product:** 4193

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

Moisture	14.83%		
Dry Matter	85.17%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	18.64	15.4 - 24.0
AD-ICP	%DM	1.27	1.08 - 2.13
ND-ICP w/SS	%DM	2.80	1.63 - 4.06
Protein Sol.	%CP	37.07	27.5 - 47.1
ADF	%DM	33.71	25.5 - 41.8
aNDF	%DM	41.64	31.9 - 51.8
aNDFom	%DM	40.13	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	6.84	5.84 - 9.64
Lignin	%NDFom	17.04	
NDFD 30	%NDFom	36.38	31.3 - 48.1
NDFD240	%NDFom	42.31	41.5 - 61.9
uNDFom30	%DM	25.53	16.5 - 29.5
uNDFom240	%DM	23.15	13.0 - 27.8
Starch	%DM	0.61	0.28 - 3.74
Fat (EE)	%DM	2.54	1.77 - 3.35
TFA (fat)	%DM	1.13	0.81 - 2.33
Ash	%DM	9.80	9.15 - 13.8
Calcium	%DM	1.57	1.19 - 1.84
Phosphorus	%DM	0.29	0.23 - 0.39
Magnesium	%DM	0.40	0.25 - 0.41
Potassium	%DM	1.47	1.83 - 3.36
Sulfur	%DM	0.27	0.17 - 0.33
Chloride	%DM	0.57	0.16 - 1.13
Sugar (ESC)	%DM	7.83	2.71 - 9.16
Sugar (WSC)	%DM	10.41	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	6.66		
		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN		62.64	59.59	57.77
Nel 3x	Mcal/cwt	64.38	60.91	61.61
Neg	Mcal/cwt	34.61	36.30	34.02
Nem	Mcal/cwt	60.74	62.61	60.10
Milk per ton	lbs/ton			2664

\*Alfalfa hay statistics provided for comparison.

**Calculations**

Adjusted Crude Protein	%DM	18.64
NFC	%DM	32.10
NSC	%DM	11.02
RFV		139.85
RFQ		122.15
NDF kd rate Van Amb	%/hr	2.81