



Dairyland Laboratories  
 919 Lincoln Ave.  
 Sauk Rapids, MN 56379  
**Telephone:** 320-240-1737  
**Fax:** 320-240-1838  
**Email:** info@dairylandlabs.com

**Sample Date:** 2023-12-12  
**Sample No.:** 003-2312-1308951

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

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

**Product:** 3726

**Test Mode:** N9  
**Feed Type:** Hay - Legume  
**Sub Type:** Alfalfa

Moisture	16.45%		
Dry Matter	83.55%		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	17.05	15.4 - 24.0
AD-ICP	%DM	1.38	1.08 - 2.13
ND-ICP w/SS	%DM	2.56	1.63 - 4.06
Protein Sol.	%CP	35.13	27.5 - 47.1
Total Amino Acids	%DM	14.37	11.2 - 20.2
Total Amino Acids	%CP	84.28	66.4 - 89.8
Lysine	%CP	5.34	3.61 - 5.16
Methionine	%CP	1.82	1.42 - 2.11
Isoleucine	%CP	3.34	2.48 - 3.77
Leucine	%CP	6.74	4.88 - 7.39
Histidine	%CP	1.58	1.43 - 1.88
ADF	%DM	34.49	25.5 - 41.8
aNDF	%DM	42.61	31.9 - 51.8
aNDFom	%DM	39.62	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	6.74	5.84 - 9.64
Lignin	%NDFom	17.01	
Lignin input (uNDF/2.4)	%DM	9.20	
NDFD12	%NDFom	30.24	28.9 - 47.1
NDFD 24	%NDFom	38.44	28.2 - 45.5
NDFD 30	%NDFom	39.48	31.3 - 48.1
NDFD 48	%NDFom	41.19	32.6 - 49.4
NDFD240	%NDFom	44.25	41.5 - 61.9
uNDFom12	%DM	27.64	16.6 - 30.2
uNDFom24	%DM	24.39	17.4 - 31.1
uNDFom30	%DM	23.98	16.5 - 29.5
uNDFom48	%DM	23.30	15.6 - 28.6
uNDFom240	%DM	22.09	13.0 - 27.8
Starch	%DM	1.24	0.28 - 3.74
Fat (EE)	%DM	2.53	1.77 - 3.35
TFA (fat)	%DM	1.31	0.81 - 2.33
16:0 Palmitic	%TFA	22.90	23.6 - 41.7
18:0 Stearic	%TFA	6.11	4.46 - 8.70
18:1 Oleic	%TFA	7.63	3.42 - 11.5
18:2 Linoleic	%TFA	20.61	12.5 - 22.7

18:3 Linolenic	%TFA	40.46	20.0 - 47.4
Ash	%DM	10.84	9.15 - 13.8
Calcium	%DM	1.20	1.19 - 1.84
Phosphorus	%DM	0.30	0.23 - 0.39
Magnesium	%DM	0.25	0.25 - 0.41
Potassium	%DM	2.94	1.83 - 3.36
Sulfur	%DM	0.21	0.17 - 0.33
Chloride	%DM	0.55	0.16 - 1.13
Sugar (ESC)	%DM	8.34	2.71 - 9.16
Sugar (WSC)	%DM	9.76	3.32 - 10.2

\*Alfalfa hay statistics provided for comparison.

**Calculations**

Adjusted Crude Protein	%DM	17.05		
NFC	%DM	32.74		
NSC	%DM	11.00		
RFV		135.60		
RFQ		125.35		
NDF kd rate Van Amb	%/hr	3.92		
NDF kd rate MIR_P1	%/hr	8.10		
		<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>
TDN	%DM	62.03	58.86	59.32
Nel 3x	Mcal/cwt	63.70	60.09	60.40
Neg	Mcal/cwt	33.66	34.63	35.40
Nem	Mcal/cwt	59.70	60.77	61.61
Milk per ton	lbs/ton			2606