



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

Sample Date: 2024-04-09
Sample No.: 003-2404-1419922

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

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

Product: 4173

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

Moisture	17.42%		
Dry Matter	82.58%		
		Dry Basis	90% Range*
Crude Protein	%DM	23.04	15.4 - 24.0
AD-ICP	%DM	1.55	1.08 - 2.13
ND-ICP w/SS	%DM	3.74	1.63 - 4.06
Protein Sol.	%CP	36.94	27.5 - 47.1
ADF	%DM	32.09	25.5 - 41.8
aNDF	%DM	40.51	31.9 - 51.8
aNDFom	%DM	39.00	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	7.80	5.84 - 9.64
Lignin	%NDFom	20.00	
NDFD 30	%NDFom	39.82	31.3 - 48.1
NDFD240	%NDFom	45.41	41.5 - 61.9
uNDFom30	%DM	23.47	16.5 - 29.5
uNDFom240	%DM	21.29	13.0 - 27.8
Starch	%DM	0.84	0.28 - 3.74
Fat (EE)	%DM	2.13	1.77 - 3.35
TFA (fat)	%DM	0.94	0.81 - 2.33
Ash	%DM	10.80	9.15 - 13.8
Calcium	%DM	1.46	1.19 - 1.84
Phosphorus	%DM	0.35	0.23 - 0.39
Magnesium	%DM	0.35	0.25 - 0.41
Potassium	%DM	2.61	1.83 - 3.36
Sulfur	%DM	0.26	0.17 - 0.33
Chloride	%DM	0.35	0.16 - 1.13
Sugar (ESC)	%DM	3.20	2.71 - 9.16
Sugar (WSC)	%DM	5.60	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	7.10		
		ADF	OARDC	MLK 2013
TDN		63.90	57.75	58.83
Nel 3x	Mcal/cwt	65.78	58.86	61.75
Neg	Mcal/cwt	36.55	35.66	37.13
Nem	Mcal/cwt	62.88	61.90	63.53
Milk per ton	lbs/ton			2706

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	23.04
NFC	%DM	28.96
NSC	%DM	6.44
RFV		146.62
RFQ		132.55
NDF kd rate Van Amb	%/hr	3.80