



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

Sample Date: 2024-04-22
Sample No.: 003-2404-1430659

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

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

Product: 4191

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

Moisture	14.84%		
Dry Matter	85.16%		
		Dry Basis	90% Range*
Crude Protein	%DM	17.92	15.4 - 24.0
AD-ICP	%DM	1.56	1.08 - 2.13
ND-ICP w/SS	%DM	3.11	1.63 - 4.06
Protein Sol.	%CP	37.28	27.5 - 47.1
ADF	%DM	39.47	25.5 - 41.8
aNDF	%DM	49.09	31.9 - 51.8
aNDFom	%DM	46.36	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	8.02	5.84 - 9.64
Lignin	%NDFom	17.30	
NDFD 30	%NDFom	40.51	31.3 - 48.1
NDFD240	%NDFom	45.99	41.5 - 61.9
uNDFom30	%DM	27.58	16.5 - 29.5
uNDFom240	%DM	25.04	13.0 - 27.8
Starch	%DM	0.37	0.28 - 3.74
Fat (EE)	%DM	2.21	1.77 - 3.35
TFA (fat)	%DM	0.88	0.81 - 2.33
Ash	%DM	11.79	9.15 - 13.8
Calcium	%DM	1.55	1.19 - 1.84
Phosphorus	%DM	0.28	0.23 - 0.39
Magnesium	%DM	0.41	0.25 - 0.41
Potassium	%DM	1.74	1.83 - 3.36
Sulfur	%DM	0.23	0.17 - 0.33
Chloride	%DM	0.38	0.16 - 1.13
Sugar (ESC)	%DM	5.20	2.71 - 9.16
Sugar (WSC)	%DM	5.98	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	7.21		
		ADF	OARDC	MLK 2013
TDN		58.15	53.55	53.68
Nel 3x	Mcal/cwt	59.38	54.18	54.94
Neg	Mcal/cwt	31.15	27.87	28.28
Nem	Mcal/cwt	56.94	53.37	53.82
Milk per ton	lbs/ton			2274

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	17.92
NFC	%DM	25.16
NSC	%DM	6.35
RFV		109.99
RFQ		98.02
NDF kd rate Van Amb	%/hr	3.39