



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.: 003-2404-1430641

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

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

Product: 4192

Test Mode: N8
Feed Type: Hay - Grass
Sub Type: Mixed

Moisture	12.31%		
Dry Matter	87.69%		
		Dry Basis	90% Range*
Crude Protein	%DM	14.28	4.95 - 16.5
AD-ICP	%DM	1.51	0.62 - 1.79
ND-ICP w/SS	%DM	4.98	1.29 - 4.68
Protein Sol.	%CP	32.28	8.61 - 48.9
ADF	%DM	39.67	31.8 - 50.2
aNDF	%DM	61.39	48.2 - 72.7
aNDFom	%DM	58.36	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	6.05	3.94 - 9.40
Lignin	%NDFom	10.37	
NDFD 30	%NDFom	51.90	36.2 - 65.5
NDFD240	%NDFom	66.88	52.4 - 80.6
uNDFom30	%DM	28.07	14.7 - 40.9
uNDFom240	%DM	19.33	10.3 - 30.4
Starch	%DM	0.77	0.25 - 7.32
Fat (EE)	%DM	2.47	1.58 - 3.71
TFA (fat)	%DM	0.84	0.49 - 2.17
Ash	%DM	9.88	6.12 - 13.0
Calcium	%DM	0.88	0.25 - 1.15
Phosphorus	%DM	0.24	0.11 - 0.35
Magnesium	%DM	0.28	0.12 - 0.33
Potassium	%DM	1.95	0.69 - 3.03
Sulfur	%DM	0.20	0.07 - 0.25
Chloride	%DM	0.28	0.07 - 0.89
Sugar (ESC)	%DM	4.18	2.16 - 10.4
Sugar (WSC)	%DM	5.32	3.29 - 12.9

NDF kd rate MIR_P1	%/hr	5.07		
		ADF	OARDC	MLK 2013
TDN		58.00	54.80	54.02
Nel 3x	Mcal/cwt	59.21	55.57	59.54
Neg	Mcal/cwt	27.60	27.95	27.21
Nem	Mcal/cwt	53.09	53.47	52.66
Milk per ton	lbs/ton			2565

*Mixed grass hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	14.15
NFC	%DM	20.62
NSC	%DM	6.09
RFV		87.67
RFQ		117.90
NDF kd rate Van Amb	%/hr	3.48