



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

Sample Date: 2024-04-08
Sample No.: 003-2404-1419173

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

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

Product: 4154

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

Moisture	18.01%		
Dry Matter	81.99%		
		Dry Basis	90% Range*
Crude Protein	%DM	20.33	13.7 - 23.9
AD-ICP	%DM	0.87	1.06 - 2.09
ND-ICP w/SS	%DM	2.82	1.47 - 4.24
Protein Sol.	%CP	42.11	26.1 - 46.1
ADF	%DM	27.19	25.8 - 41.6
aNDF	%DM	37.02	32.3 - 55.6
aNDFom	%DM	35.56	29.9 - 53.5
Lignin (Sulfuric Acid)	%DM	4.71	5.44 - 9.38
Lignin	%NDFom	13.25	
NDFD 30	%NDFom	49.16	32.1 - 54.7
NDFD240	%NDFom	58.13	43.0 - 70.7
uNDFom30	%DM	18.08	16.4 - 29.7
uNDFom240	%DM	14.89	12.2 - 28.8
Starch	%DM	0.56	0.29 - 3.75
Fat (EE)	%DM	2.99	1.88 - 3.44
TFA (fat)	%DM	1.54	0.87 - 2.47
Ash	%DM	10.09	8.88 - 13.8
Calcium	%DM	1.31	0.93 - 1.81
Phosphorus	%DM	0.34	0.24 - 0.39
Magnesium	%DM	0.40	0.23 - 0.40
Potassium	%DM	1.95	1.76 - 3.37
Sulfur	%DM	0.32	0.16 - 0.33
Chloride	%DM	0.82	0.13 - 1.12
Sugar (ESC)	%DM	11.75	3.04 - 9.57
Sugar (WSC)	%DM	12.86	3.67 - 10.5

NDF kd rate MIR_P1	%/hr	6.33		
		ADF	OARDC	MLK 2013
TDN		67.72	64.54	64.90
Nel 3x	Mcal/cwt	70.04	66.42	67.90
Neg	Mcal/cwt	36.63	43.45	43.73
Nem	Mcal/cwt	62.98	70.56	70.88
Milk per ton	lbs/ton			3161

*Mixed hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	20.33
NFC	%DM	34.30
NSC	%DM	13.42
RFV		170.09
RFQ		175.02
NDF kd rate Van Amb	%/hr	3.69