



Dairyland Laboratories, Inc.
 919 Lincoln Ave.
 Sauk Rapids, MN 56379
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Report Date: 11/29/2021
 Sample No.: 003-2111-525424
 Reference No.: u6

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

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

Product: 3004 grass

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

Moisture	13.26%
Dry Matter	86.74%

Mixed grass hay statistics provided for comparison.

		<u>Dry Basis</u>	<u>Median</u>	<u>90% Range</u>
Crude Protein	%DM	11.50	9.38	4.95 - 16.48
AD-ICP	%DM	1.64	1.15	0.62 - 1.79
ND-ICP w/SS	%DM	3.66	3.31	1.29 - 4.68
Protein Sol.	%CP	32.87	26.07	8.61 - 48.90
ADF	%DM	48.85	40.44	31.75 - 50.23
aNDF	%DM	67.41	60.92	48.19 - 72.71
aNDFom	%DM	64.54	57.38	43.04 - 68.85
Lignin (Sulfuric Acid)	%DM	8.11	6.52	3.94 - 9.40
Lignin	%NDFom	12.57		
NDFD 30	%NDFom	39.14	49.20	36.20 - 65.52
NDFD240	%NDFom	51.64	66.50	52.42 - 80.59
uNDFom30	%DM	39.28	28.34	14.70 - 40.90
uNDFom240	%DM	31.21	19.99	10.26 - 30.38
Starch	%DM	1.94	1.81	0.25 - 7.32
Fat (EE)	%DM	1.71	2.57	1.58 - 3.71
TFA (fat)	%DM	0.43	1.19	0.49 - 2.17
Ash	%DM	8.45	9.35	6.12 - 13.03
Calcium	%DM	0.77	0.61	0.25 - 1.15
Phosphorus	%DM	0.26	0.22	0.11 - 0.35
Magnesium	%DM	0.21	0.20	0.12 - 0.33
Potassium	%DM	1.76	1.82	0.69 - 3.03
Sulfur	%DM	0.13	0.14	0.07 - 0.25
Sugar (ESC)	%DM	2.75	6.34	2.16 - 10.37
Sugar (WSC)	%DM	4.63	8.25	3.29 - 12.93

Calculations

Adjusted Crude Protein	%DM	10.72
NFC	%DM	17.74
NSC	%DM	6.57
RFV		70.17
RFQ		74.28
NDF kd rate Van Amb	%/hr	2.53
NDF kd rate MIR_P1	%/hr	4.81



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		<u>ADF</u>	<u>OARDC</u>	<u>MLK 2013</u>
TDN	%DM	50.85	50.27	44.12
Nel 3x	Mcal/cwt	51.25	50.53	53.70
Neg	Mcal/cwt	24.22	20.34	11.93
Nem	Mcal/cwt	49.42	45.24	36.29
Milk per ton	lb/ton DM			2053