



Dairyland Laboratories, Inc.  
 919 Lincoln Ave.  
 Sauk Rapids, MN 56379  
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Report Date: 11/29/2021  
 Sample No.: 003-2111-525422  
 Reference No.: u3

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

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

Product: 3003 grass

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

Moisture 19.87%  
 Dry Matter 80.13%

Mixed grass hay statistics provided for comparison.

		<u>Dry Basis</u>	<u>Median</u>	<u>90% Range</u>
Crude Protein	%DM	8.18	9.38	4.95 - 16.48
AD-ICP	%DM	1.31	1.15	0.62 - 1.79
ND-ICP w/SS	%DM	3.67	3.31	1.29 - 4.68
Protein Sol.	%CP	20.29	26.07	8.61 - 48.90
ADF	%DM	43.56	40.44	31.75 - 50.23
aNDF	%DM	65.59	60.92	48.19 - 72.71
aNDFom	%DM	63.57	57.38	43.04 - 68.85
Lignin (Sulfuric Acid)	%DM	6.04	6.52	3.94 - 9.40
Lignin	%NDFom	9.50		
NDFD 30	%NDFom	42.02	49.20	36.20 - 65.52
NDFD240	%NDFom	59.07	66.50	52.42 - 80.59
uNDFom30	%DM	36.86	28.34	14.70 - 40.90
uNDFom240	%DM	26.02	19.99	10.26 - 30.38
Starch	%DM	0.25	1.81	0.25 - 7.32
Fat (EE)	%DM	2.40	2.57	1.58 - 3.71
TFA (fat)	%DM	0.73	1.19	0.49 - 2.17
Ash	%DM	7.08	9.35	6.12 - 13.03
Calcium	%DM	0.40	0.61	0.25 - 1.15
Phosphorus	%DM	0.21	0.22	0.11 - 0.35
Magnesium	%DM	0.20	0.20	0.12 - 0.33
Potassium	%DM	1.21	1.82	0.69 - 3.03
Sulfur	%DM	0.12	0.14	0.07 - 0.25
Sugar (ESC)	%DM	4.87	6.34	2.16 - 10.37
Sugar (WSC)	%DM	6.31	8.25	3.29 - 12.93

**Calculations**

Adjusted Crude Protein	%DM	7.39
NFC	%DM	23.11
NSC	%DM	6.56
RFV		77.98
RFQ		96.40
NDF kd rate Van Amb	%/hr	2.45
NDF kd rate MIR_P1	%/hr	4.21



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		<u>ADF</u>	<u>OARDC</u>	<u>MLK 2013</u>
TDN	%DM	54.97	55.64	48.20
Nel 3x	Mcal/cwt	55.84	56.51	57.50
Neg	Mcal/cwt	23.84	26.44	16.41
Nem	Mcal/cwt	49.01	51.82	41.04
Milk per ton	lb/ton DM			2331