



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

Report Date: 11/29/2021
 Sample No.: 003-2111-525425
 Reference No.: u7

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

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

Product: 3005 grass

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

Moisture 13.23%
 Dry Matter 86.77%

Mixed grass hay statistics provided for comparison.

		<u>Dry Basis</u>	<u>Median</u>	<u>90% Range</u>
Crude Protein	%DM	7.61	9.38	4.95 - 16.48
AD-ICP	%DM	1.23	1.15	0.62 - 1.79
ND-ICP w/SS	%DM	3.99	3.31	1.29 - 4.68
Protein Sol.	%CP	23.52	26.07	8.61 - 48.90
ADF	%DM	42.62	40.44	31.75 - 50.23
aNDF	%DM	64.71	60.92	48.19 - 72.71
aNDFom	%DM	61.17	57.38	43.04 - 68.85
Lignin (Sulfuric Acid)	%DM	5.36	6.52	3.94 - 9.40
Lignin	%NDFom	8.76		
NDFD 30	%NDFom	42.55	49.20	36.20 - 65.52
NDFD240	%NDFom	61.21	66.50	52.42 - 80.59
uNDFom30	%DM	35.14	28.34	14.70 - 40.90
uNDFom240	%DM	23.73	19.99	10.26 - 30.38
Starch	%DM	1.88	1.81	0.25 - 7.32
Fat (EE)	%DM	3.12	2.57	1.58 - 3.71
TFA (fat)	%DM	0.87	1.19	0.49 - 2.17
Ash	%DM	10.39	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	0.19	0.20	0.12 - 0.33
Potassium	%DM	1.41	1.82	0.69 - 3.03
Sulfur	%DM	0.10	0.14	0.07 - 0.25
Sugar (ESC)	%DM	6.06	6.34	2.16 - 10.37
Sugar (WSC)	%DM	7.92	8.25	3.29 - 12.93

Calculations

Adjusted Crude Protein	%DM	6.86
NFC	%DM	22.95
NSC	%DM	9.80
RFV		79.88
RFQ		93.69
NDF kd rate Van Amb	%/hr	2.41
NDF kd rate MIR_P1	%/hr	4.03



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

Report Date: 11/29/2021
Sample No.: 003-2111-525425
Reference No.: u7

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

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

Product: 3005 grass

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

		<u>ADF</u>	<u>OARDC</u>	<u>MLK 2013</u>
TDN	%DM	55.70	54.50	47.04
Nel 3x	Mcal/cwt	56.65	55.24	55.14
Neg	Mcal/cwt	23.99	24.68	14.48
Nem	Mcal/cwt	49.17	49.92	38.99
Milk per ton	lb/ton DM			2184