



Dairyland Laboratories
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Sample Date: 2024-08-13
Sample No.: 003-2408-1556668

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

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

Product: 4544
Lot Name:

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

Moisture	11.87%		
Dry Matter	88.13%		
		Dry Basis	90% Range*
Crude Protein	%DM	7.20	4.95 - 16.5
AD-ICP	%DM	1.25	0.62 - 1.79
ND-ICP w/SS	%DM	3.30	1.29 - 4.68
Protein Sol.	%CP	8.61	8.61 - 48.9
ADF	%DM	43.21	31.8 - 50.2
aNDF	%DM	58.92	48.2 - 72.7
aNDFom	%DM	49.97	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	4.75	3.94 - 9.40
Lignin	%NDFom	9.51	
NDFD 30	%NDFom	50.33	36.2 - 65.5
NDFD240	%NDFom	71.68	52.4 - 80.6
uNDFom30	%DM	24.82	14.7 - 40.9
uNDFom240	%DM	14.15	10.3 - 30.4
Starch	%DM	1.11	0.25 - 7.32
Fat (EE)	%DM	3.18	1.58 - 3.71
TFA (fat)	%DM	0.91	0.49 - 2.17
Ash	%DM	17.21	6.12 - 13.0
Calcium	%DM	0.61	0.25 - 1.15
Phosphorus	%DM	0.16	0.11 - 0.35
Magnesium	%DM	0.26	0.12 - 0.33
Potassium	%DM	1.80	0.69 - 3.03
Sulfur	%DM	0.14	0.07 - 0.25
Chloride	%DM	0.30	0.07 - 0.89
Sugar (ESC)	%DM	10.97	2.16 - 10.4
Sugar (WSC)	%DM	12.69	3.29 - 12.9

*Mixed grass hay statistics provided for comparison.

NDF kd rate MIR_P1	%/hr	4.11		
		ADF	OARDC	MLK 2013
TDN		55.24	51.89	49.94
Nel 3x	Mcal/cwt	56.14	52.33	53.90
Neg	Mcal/cwt	26.21	20.85	18.49
Nem	Mcal/cwt	51.58	45.79	43.26
Milk per ton	lbs/ton			2186

Calculations

Adjusted Crude Protein	%DM	6.35
NFC	%DM	27.01
NSC	%DM	13.80
RFV		87.36
RFQ		105.43
NDF kd rate Van Amb	%/hr	3.21