



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

Sample Date: 2024-05-14
Sample No.: 003-2405-1448123

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

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

Product: 4505

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

Moisture	14.35%		
Dry Matter	85.65%		
		Dry Basis	90% Range*
Crude Protein	%DM	13.67	4.95 - 16.5
AD-ICP	%DM	1.20	0.62 - 1.79
ND-ICP w/SS	%DM	4.20	1.29 - 4.68
Protein Sol.	%CP	28.60	8.61 - 48.9
ADF	%DM	42.67	31.8 - 50.2
aNDF	%DM	65.38	48.2 - 72.7
aNDFom	%DM	63.11	43.0 - 68.9
Lignin (Sulfuric Acid)	%DM	5.78	3.94 - 9.40
Lignin	%NDFom	9.16	
NDFD 30	%NDFom	47.96	36.2 - 65.5
NDFD240	%NDFom	67.50	52.4 - 80.6
uNDFom30	%DM	32.84	14.7 - 40.9
uNDFom240	%DM	20.51	10.3 - 30.4
Starch	%DM	0.59	0.25 - 7.32
Fat (EE)	%DM	1.79	1.58 - 3.71
TFA (fat)	%DM	0.78	0.49 - 2.17
Ash	%DM	11.29	6.12 - 13.0
Calcium	%DM	0.47	0.25 - 1.15
Phosphorus	%DM	0.26	0.11 - 0.35
Magnesium	%DM	0.25	0.12 - 0.33
Potassium	%DM	2.53	0.69 - 3.03
Sulfur	%DM	0.25	0.07 - 0.25
Chloride	%DM	0.84	0.07 - 0.89
Sugar (ESC)	%DM	4.27	2.16 - 10.4
Sugar (WSC)	%DM	4.87	3.29 - 12.9

NDF kd rate MIR_P1	%/hr	4.20		
		ADF	OARDC	MLK 2013
TDN		55.66	52.44	47.69
Nel 3x	Mcal/cwt	56.61	52.94	53.62
Neg	Mcal/cwt	25.79	24.60	18.12
Nem	Mcal/cwt	51.11	49.83	42.88
Milk per ton	lbs/ton			2144

*Mixed grass hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	13.67
NFC	%DM	14.35
NSC	%DM	5.46
RFV		79.39
RFQ		91.71
NDF kd rate Van Amb	%/hr	2.92