



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

Sample Date: 2024-04-22
Sample No.: 003-2404-1430664

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

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

Product: 4198

Test Mode: N8
Feed Type: Hay - Legume
Sub Type: Alfalfa

Moisture	16.50%		
Dry Matter	83.50%		
		Dry Basis	90% Range*
Crude Protein	%DM	18.16	15.4 - 24.0
AD-ICP	%DM	1.25	1.08 - 2.13
ND-ICP w/SS	%DM	3.29	1.63 - 4.06
Protein Sol.	%CP	36.01	27.5 - 47.1
ADF	%DM	36.30	25.5 - 41.8
aNDF	%DM	47.30	31.9 - 51.8
aNDFom	%DM	44.94	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	6.29	5.84 - 9.64
Lignin	%NDFom	14.00	
NDFD 30	%NDFom	45.17	31.3 - 48.1
NDFD240	%NDFom	50.98	41.5 - 61.9
uNDFom30	%DM	24.64	16.5 - 29.5
uNDFom240	%DM	22.03	13.0 - 27.8
Starch	%DM	0.95	0.28 - 3.74
Fat (EE)	%DM	2.79	1.77 - 3.35
TFA (fat)	%DM	1.19	0.81 - 2.33
Ash	%DM	11.56	9.15 - 13.8
Calcium	%DM	1.17	1.19 - 1.84
Phosphorus	%DM	0.36	0.23 - 0.39
Magnesium	%DM	0.35	0.25 - 0.41
Potassium	%DM	2.20	1.83 - 3.36
Sulfur	%DM	0.27	0.17 - 0.33
Chloride	%DM	0.73	0.16 - 1.13
Sugar (ESC)	%DM	6.20	2.71 - 9.16
Sugar (WSC)	%DM	8.44	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	7.36		
		ADF	OARDC	MLK 2013
TDN		60.62	57.23	57.12
Nel 3x	Mcal/cwt	62.13	58.28	57.73
Neg	Mcal/cwt	32.00	33.04	32.98
Nem	Mcal/cwt	57.88	59.02	58.95
Milk per ton	lbs/ton			2496

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	18.16
NFC	%DM	26.44
NSC	%DM	9.39
RFV		119.36
RFQ		115.56
NDF kd rate Van Amb	%/hr	3.35