



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.: 003-2405-1448124

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

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

Product: 4506

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

Moisture	17.67%		
Dry Matter	82.33%		
		Dry Basis	90% Range*
Crude Protein	%DM	21.16	15.4 - 24.0
AD-ICP	%DM	1.64	1.08 - 2.13
ND-ICP w/SS	%DM	4.02	1.63 - 4.06
Protein Sol.	%CP	38.19	27.5 - 47.1
ADF	%DM	35.80	25.5 - 41.8
aNDF	%DM	44.16	31.9 - 51.8
aNDFom	%DM	43.02	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	8.60	5.84 - 9.64
Lignin	%NDFom	19.99	
NDFD 30	%NDFom	41.93	31.3 - 48.1
NDFD240	%NDFom	47.35	41.5 - 61.9
uNDFom30	%DM	24.98	16.5 - 29.5
uNDFom240	%DM	22.65	13.0 - 27.8
Starch	%DM	1.34	0.28 - 3.74
Fat (EE)	%DM	2.19	1.77 - 3.35
TFA (fat)	%DM	1.08	0.81 - 2.33
Ash	%DM	11.37	9.15 - 13.8
Calcium	%DM	1.21	1.19 - 1.84
Phosphorus	%DM	0.41	0.23 - 0.39
Magnesium	%DM	0.36	0.25 - 0.41
Potassium	%DM	3.18	1.83 - 3.36
Sulfur	%DM	0.24	0.17 - 0.33
Chloride	%DM	0.62	0.16 - 1.13
Sugar (ESC)	%DM	3.12	2.71 - 9.16
Sugar (WSC)	%DM	6.17	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	7.35		
		ADF	OARDC	MLK 2013
TDN		61.01	54.98	57.17
Nel 3x	Mcal/cwt	62.57	55.77	58.95
Neg	Mcal/cwt	34.34	31.19	34.25
Nem	Mcal/cwt	60.45	57.00	60.35
Milk per ton	lbs/ton			2546

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	21.16
NFC	%DM	26.39
NSC	%DM	7.51
RFV		128.64
RFQ		121.04
NDF kd rate Van Amb	%/hr	4.19