



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.: 003-2405-1448120

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

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

Product: 4502

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

Moisture	23.32%		
Dry Matter	76.68%		
		Dry Basis	90% Range*
Crude Protein	%DM	19.26	15.4 - 24.0
AD-ICP	%DM	1.63	1.08 - 2.13
ND-ICP w/SS	%DM	3.71	1.63 - 4.06
Protein Sol.	%CP	35.10	27.5 - 47.1
ADF	%DM	37.38	25.5 - 41.8
aNDF	%DM	48.06	31.9 - 51.8
aNDFom	%DM	45.73	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	8.89	5.84 - 9.64
Lignin	%NDFom	19.44	
NDFD 30	%NDFom	40.50	31.3 - 48.1
NDFD240	%NDFom	46.32	41.5 - 61.9
uNDFom30	%DM	27.21	16.5 - 29.5
uNDFom240	%DM	24.55	13.0 - 27.8
Starch	%DM	1.25	0.28 - 3.74
Fat (EE)	%DM	2.16	1.77 - 3.35
TFA (fat)	%DM	0.98	0.81 - 2.33
Ash	%DM	10.18	9.15 - 13.8
Calcium	%DM	1.10	1.19 - 1.84
Phosphorus	%DM	0.37	0.23 - 0.39
Magnesium	%DM	0.30	0.25 - 0.41
Potassium	%DM	3.19	1.83 - 3.36
Sulfur	%DM	0.20	0.17 - 0.33
Chloride	%DM	0.35	0.16 - 1.13
Sugar (ESC)	%DM	3.09	2.71 - 9.16
Sugar (WSC)	%DM	5.81	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	7.03		
		ADF	OARDC	MLK 2013
TDN		59.78	54.59	56.02
Nel 3x	Mcal/cwt	61.19	55.34	58.05
Neg	Mcal/cwt	32.04	29.84	31.96
Nem	Mcal/cwt	57.92	55.52	57.83
Milk per ton	lbs/ton			2474

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	19.26
NFC	%DM	26.56
NSC	%DM	7.06
RFV		115.85
RFQ		105.51
NDF kd rate Van Amb	%/hr	3.84