



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

Sample Date: 2024-02-12
Sample No.: 003-2402-1367468

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

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

Product: 3960

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

Moisture	22.58%		
Dry Matter	77.42%		
		Dry Basis	90% Range*
Crude Protein	%DM	17.47	15.4 - 24.0
AD-ICP	%DM	1.25	1.08 - 2.13
ND-ICP w/SS	%DM	2.67	1.63 - 4.06
Protein Sol.	%CP	42.87	27.5 - 47.1
ADF	%DM	38.60	25.5 - 41.8
aNDF	%DM	47.77	31.9 - 51.8
aNDFom	%DM	45.65	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	7.54	5.84 - 9.64
Lignin	%NDFom	16.52	
NDFD 30	%NDFom	38.47	31.3 - 48.1
NDFD240	%NDFom	44.32	41.5 - 61.9
uNDFom30	%DM	28.09	16.5 - 29.5
uNDFom240	%DM	25.42	13.0 - 27.8
Starch	%DM	1.00	0.28 - 3.74
Fat (EE)	%DM	2.45	1.77 - 3.35
TFA (fat)	%DM	1.10	0.81 - 2.33
Ash	%DM	10.28	9.15 - 13.8
Calcium	%DM	1.35	1.19 - 1.84
Phosphorus	%DM	0.32	0.23 - 0.39
Magnesium	%DM	0.34	0.25 - 0.41
Potassium	%DM	2.20	1.83 - 3.36
Sulfur	%DM	0.25	0.17 - 0.33
Chloride	%DM	0.58	0.16 - 1.13
Sugar (ESC)	%DM	5.73	2.71 - 9.16
Sugar (WSC)	%DM	8.31	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	6.86		
		ADF	OARDC	MLK 2013
TDN	%DM	58.83	56.31	54.73
Nel 3x	Mcal/cwt	60.14	57.25	57.15
Neg	Mcal/cwt	31.57	31.53	29.52
Nem	Mcal/cwt	57.41	57.36	55.17
Milk per ton	lbs/ton			2397

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	17.47
NFC	%DM	27.17
NSC	%DM	9.31
RFV		114.47
RFQ		101.44
NDF kd rate Van Amb	%/hr	3.01