1602 Park West Dr. • PO Box 169 • Hastings, NE 68902 www.servitech.com

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Lab No.: 6193	FEED ANAL	YSIS REPORT	Date Reported: 10/21/2024
33423	SOUTHWEST GRAIN NEW ENGLA SWG 170 ELEVATOR PO BOX 220 NEW ENGLAND, ND 58647	ND	2024 Certified NIRS MFTA DM CP CP CP CP CP CP CP CP CP C
Feedstuff Description: Sample Identification: Date Received: Invoice No.:	LOT D GRASS-ALFALFA 10/18/2024 763502		Hans Burken Lab Manager
Feed Analysis Results	As Received 100%	Dry Matter	
	Near Infrared Reflectanc	e Spectroscopy (NIRS) Ana	lysis
Moisture, %	10.2		
Dry Matter, %	89.8		
Crude Protein, %	8.70	9.69	
Adjusted Crude Protein, %	8.70	9.69	
AD-ICP, %	0.81	0.90	
ND-ICP (w/Na2SO3), %	2.73	3.04	
Soluble Protein, % CP	28.08	31.27	
ADF. % ADF	31.98	35.61	
aNDF (w/Na2SO3), % NDF	F 51.52	57.37	
aNDFom, % aNDFom	50.00	55.67	
Lignin (Sulfuric Acid), %	5.06	5.63	
Lignin % NDF, %	9.08	10.11	
uNDFom240, %	19.16	21.33	

61.68

1.15

3.80

55.39

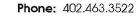
1.03

3.41

NDFD240, % NDF

Starch, %

Fat (EE), %

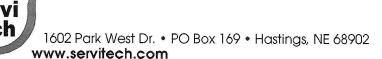


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Lab No.: 6193			FEED	ANALYSIS REPORT	Date Reported: 10/21/2024
eed Analysis Res	sults	As	Received	100% Dry Matter	
Total Fatty Acid (T	FA), % TFA	1	1.27	1.41	
Ash, %			9.27	10.32	
Calcium, % Ca			0.36	0.40	
Phosphorus, % P			0.21	0.23	
Magnesium, % Mg	9		0.16	0.18	
Potassium, % K			2.07	2.30	
Sulfur, % S			0.13	0.14	
Sugar (ESC), %			8.10	9.02	
Sugar (WSC), %			9.74	10.84	
N.F.C., %			22.41	24.95	
RFV,			88.99	99.09	
Chloride, % Cl			0.49	0.55	
TDN NEI NEg NEm	% Mcal/lb Mcal/lb Mcal/lb	ADF 61.16 0.63 0.24 0.49	OA 56.5 0.57 0.29	7 9	



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Lab No. : 6193		FEEC	ANALY	SIS REPORT	Date Reported: 10/21/2024
Feed Analysis Results		As Received	100%	Dry Matter	
USDA HAY Q	UALITY GUI	DELINES: A	LFALFA, AI	FALFA/MIX (100% dr	y matter)
QUALITY Supreme Premium Good Fair Utility	RFV > 185 170-185 150-170 130-150 < 130	ADF % < 27 27-29 29-32 32-35 > 35	NDF % < 34 34-36 36-40 40-44 > 44	<pre>%CP > 22 20-22 18-20 16-18 < 18</pre>	

These USDA marketing guidelines are based primarily on alfalfa or alfalfa-grass mix for dairy cattle use. Suggested guidelines for other forages and other livestock uses are given below. Crude protein, visual appearance, intent of sale, end use, and other factors may influence final hay price. Regional pricing information is available from USDA Hay Marketing Service - Hay Reports at: www.ams.usda.gov/market-news/hay-reports

<u>RFV</u>	SUGGESTED LIVESTOCK USES:
> 150	Prime dairy cows; fresh and high producers
125 - 150	Good dairy cows; young heifers; backgrounding
105 - 125	Good beef cattle; older heifers; marginal for dairy cows
87 - 105	Maintenance of beef and dairy cows
75 - 87	May require supplementation
< 75	Will require supplementation

NIRs analysis performed utilizing Feedstuff Equations developed by Dairyland Labs, Inc.