Phone: 402.463.3522

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Lab No. : 6191	FEED A	NALYSIS REPOR	Part Part Part Part Part Part Part Part
Send To: 33423	SOUTHWEST GRAIN NEW SWG 170 ELEVATOR PO BOX 220 NEW ENGLAND, ND 5864		2024 Certified NIRS ON (NFTA) ON (NFTA)
Results For: Feedstuff Description: Sample Identification: Date Received: Invoice No.:	10/18/2024		Hans Burken Lab Manager
Feed Analysis Results	As Received	100% Dry Matter	
	Near Infrared Ref	lectance Spectroscopy (NIRS) Analysis
Moisture, %	12.2		
Dry Matter, %	87.8		
Crude Protein, %	16.93	19.28	
Adjusted Crude Protein, %	6 16.93	19.28	
AD-ICP, %	0.88	1.00	
ND-ICP (w/Na2SO3), %	1.89	2.15	
Soluble Protein, % CP	32.35	36.83	
ADF, % ADF	28.79	32.78	
aNDF (w/Na2SO3), % ND	F 34.59	39.38	
aNDFom, % aNDFom	33.45	38.09	
Lignin (Sulfuric Acid), %	5.55	6.32	
Lignin % NDF, %	14.57	16.59	
uNDFom240, %	17.86	20.33	
NDFD240, % NDF	40.96	46.63	
Starch, %	1.34	1.52	
Fat (EE), %	2.39	2.72	

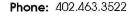


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Lab No.: 6191			FEED	ANALYSIS REPORT	Date Reported: 10/21/2024
eed Analysis Results	S	As	Received	100% Dry Matter	
Total Fatty Acid (TFA), % TFA		1.15	1.31	
Ash, %			9.47	10.78	
Calcium, % Ca			1.27	1.45	
Phosphorus, % P			0.25	0.28	
Magnesium, % Mg			0.31	0.35	
Potassium, % K		2.14	2.44		
Sulfur, % S			0.27	0.31	
Sugar (ESC), %			7.61	8.66	
Sugar (WSC), %			9.13	10.40	
N.F.C., %			27.83	31.69	
RFV,			131.57	149.80	
Chloride, % Cl			0.54	0.61	
NEI M NEg M	% //cal/lb //cal/lb //cal/lb	ADF 63.36 0.65 0.36 0.62	OA 60. 0.6 0.3 0.6	52 88	



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Lab No.: 6191		FEED	ANALY	SIS REPORT	Date Reported: 10/21/2024
Feed Analysis Results		As Received	100% E	ry Matter	
USDA HAY QU	JALITY GUI	DELINES: A	LFALFA, AL	FALFA/MIX (100%	dry 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	%CP > 22 20-22 18-20 16-18 < 18	

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.