

Ag Testing - Consulting

Account No. : 30783

NIR Analysis Report

KLINGELHOEFER, DAVID
WATER BISON RANCH
16415 ODESSA RD
AMHERST

NE 68812

Invoice No. : 1438581
Date Received : 12/23/2024
Date Reported : 12/27/2024

Lab Number : 941

Results For : CHASE

Sample ID : MIDDLE NORTH 1ST CUT

Description : OATS & ALFALFA

	Analysis As Received	Analysis Dry Basis
Moisture, %	12.69	0.00
Dry Matter, %	87.31	100.00
PROTEIN		
Crude Protein, %	11.8	13.6
FIBERS		
Acid Detergent Fiber, %	37.9	43.5
Neutral Detergent Fiber, %	59.0	67.6
NDFD (digestibility) 48 hr, % of NDF		66
IVTDMD (in vitro true digestibility) 48 hr, %	66.1	75.8
ENERGIES		
TDN Est., %	43.5	49.8
Net Energy Lact, MCal/lb	0.4356	0.4989
Net Energy Maint, MCal/lb	0.3789	0.4340
Net Energy Gain, MCal/lb	0.1624	0.1861
QUALITY VALUE		
Relative Feed Value		76
Relative Forage Quality		95
MINERALS		
Calcium, % Ca	0.59	0.68
Phosphorus, % P	0.31	0.35
Potassium, % K	2.50	2.86
Magnesium, % Mg	0.24	0.27
Ash, %	13.76	15.76
OTHER ANALYSIS		
*Nitrate, ppm NO ₃ -N		1552
Safety Level	Marginal	
Fat, %	1.3	1.5
Starch, %	1.6	1.9
Lignin, %	4.06	4.65
Non Fiber Carbohydrates, %	1.4	1.5
Ethanol-Soluble Carbohydrates, %	3.3	3.7

[Click here for Report Interpretation](#)

Reviewed By : Rebecca Kern

12/30/2024

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Bus: 308-234-2418
Fax: 308-234-1940

web site
www.wardlab.com

4007 Cherry Ave., P.O. Box 788
Kearney, Nebraska 68848-0788

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	Analysis As Received	Analysis Dry Basis
Water-Soluble Carbohydrates, %	4.2	4.8
*-Result By Wet Chemistry		