

HOLMES LABORATORY INC.  
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FORAGE/FEEDSTUFF  
 ANALYSIS REPORT  
 [A Vital Key to Today's Agriculture]  
 (330) 893-2933 \* www.holmeslab.com  
 Test Performed: A

Customer: Groeschl Ag

Groeschl Ag Service-A.Groeschl  
 13920 W State Rd.77  
 Hayward, WI 54843

Date Reported: 08/19/2016  
 Lab Number: 16-1837  
 SAMPLE I.D.: Legume Hay  
 Andy's 2nd Alfalfa

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	12.61	
Dry Matter	%	87.39	
Crude Protein	%	12.61	14.43
Available Protein	%		
Adjusted Crude Protein	%		
A.D.F. Protein	%		
N.D.F. Protein	%		
Soluble Protein	%		
Protein Solubility	%		
Lignin	%		
Acid Detergent Fiber	%	36.25	41.48
Neutral Detergent Fiber	%		
NFC (Non-Fiber Carbohydrate)	%		
Sugar	%		
Starch	%		
NSC = Starch + Sugar	%		
Crude Fat	%		
TDN	%	46.28	52.96
NEl	Mcal/lb.	.467	.534
NEm	Mcal/lb.	.425	.486
NEg	Mcal/lb.	.204	.234
Ash	%		
Lignin Insoluble Ash	%		
Calcium (Ca)	%	.73	.84
Phosphorus (P)	%	.20	.23
Magnesium (Mg)	%	.11	.13
Potassium (K)	%	1.77	2.03
Sulfur (S)	%		
Sodium (Na)	%	.013	.015
Chloride (Cl)	%		
Copper (Cu)	ppm	3	4
Manganese (Mn)	ppm	33	38
Zinc (Zn)	ppm	17	20
Iron (Fe)	ppm	31	36
Molybdenum (Mo)	ppm		
Aluminum (Al)	ppm		
Nitrate (NO3)	%		
pH			
RFV (Relative Feed Value)			
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		