

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: AG

Customer: Andy Groeschl

Groeschl Ag Service-A.Groeschl
 10271 N. County Rd. K
 Hayward, WI 54843

Date Reported: 09/08/2017
 Lab Number: 17-2139
 SAMPLE I.D.: Legume Hay
 Andy's 3rd Alfalfa

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	32.26	
Dry Matter	%	67.74	
Crude Protein	%	13.58	20.04
Available Protein	%		
Adjusted Crude Protein	%		
A.D.F. Protein	%		
N.D.F. Protein	%		
Soluble Protein	%		
Protein Solubility	%		
Lignin	%		
Acid Detergent Fiber	%	22.66	33.45
Neutral Detergent Fiber	%	29.52	43.58
NFC (Non-Fiber Carbohydrate)	%	16.04	23.68
Sugar	%		
Starch	%		
NSC = Starch + Sugar	%		
Crude Fat	%		
TDN	%	41.91	61.87
NEl	Mcal/lb.	.429	.633
NEm	Mcal/lb.	.421	.622
NEg	Mcal/lb.	.243	.359
Ash	%		
Lignin Insoluble Ash	%		
Calcium (Ca)	%	.69	1.02
Phosphorus (P)	%	.22	.33
Magnesium (Mg)	%	.16	.24
Potassium (K)	%	1.80	2.65
Sulfur (S)	%		
Sodium (Na)	%	.008	.012
Chloride (Cl)	%		
Copper (Cu)	ppm	3	4
Manganese (Mn)	ppm	21	31
Zinc (Zn)	ppm	16	23
Iron (Fe)	ppm	34	50
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		
pH			
RFV (Relative Feed Value)			134
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		