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FORAGE/FEEDSTUFF
 ANALYSIS REPORT
 [A Vital Key to Today's Agriculture]
 (330) 893-2933 * www.holmeslab.com
 Test Performed: 9QW

Customer: Andy Groeschl-Alfalfa

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

Date Reported: 07/23/2018
 Lab Number: 18-913
 SAMPLE I.D.: Legume Hay
 Andy's 2nd Cut

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	32.35	
Dry Matter	%	67.65	
Crude Protein	%	12.32	18.21
Available Protein	%	11.20	16.55
Adjusted Crude Protein	%	12.32	18.21
A.D.F. Protein	%	1.12	1.66
N.D.F. Protein	%	2.00	2.95
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	3.70	5.47
Acid Detergent Fiber	%	23.16	34.23
Neutral Detergent Fiber	%	31.48	46.53
NFC (Non-Fiber Carbohydrate)	%	17.37	25.67
Sugar	%	5.36	7.93
Starch	%	.58	.85
NSC = Starch + Sugar	%	5.94	8.78
Crude Fat	%	2.10	3.10
TDN	%	41.41	61.21
NEl	Mcal/lb.	.423	.625
NEm	Mcal/lb.	.414	.612
NEg	Mcal/lb.	.237	.350
Ash	%	6.03	8.92
Lignin Insoluble Ash	%	.43	.63
Calcium (Ca)	%	.64	.94
Phosphorus (P)	%	.20	.29
Magnesium (Mg)	%	.18	.26
Potassium (K)	%	1.71	2.53
Sulfur (S)	%	.13	.19
Sodium (Na)	%	.013	.019
Chloride (Cl)	%		
Copper (Cu)	ppm	1	1
Manganese (Mn)	ppm	22	32
Zinc (Zn)	ppm	11	16
Iron (Fe)	ppm	58	86
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			124
RFQ (Relative Forage Quality)			159
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		