

HOLMES LABORATORY INC.  
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FORAGE/FEEDSTUFF  
 ANALYSIS REPORT  
 [Quality Testing Since 1978]  
 (330) 893-2933 \* www.holmeslab.com  
 Test Performed: 9QW

Customer: Groeschl Ag Services

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

Date Reported: 07/13/2020  
 Lab Number: 20-684  
 SAMPLE I.D.: Mixed Hay  
 Phillips Mix

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	19.03	
Dry Matter	%	80.97	
Crude Protein	%	9.82	12.13
Available Protein	%	9.13	11.28
Adjusted Crude Protein	%	9.82	12.13
A.D.F. Protein	%	.69	.85
N.D.F. Protein	%	3.26	4.03
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	3.88	4.79
Acid Detergent Fiber	%	31.18	38.51
Neutral Detergent Fiber	%	49.62	61.28
NFC (Non-Fiber Carbohydrate)	%	17.98	22.20
Sugar	%	9.04	11.16
Starch	%	1.08	1.33
NSC = Starch + Sugar	%	10.11	12.49
Crude Fat	%	1.96	2.42
TDN	%	49.70	61.38
NEl	Mcal/lb.	.508	.627
NEm	Mcal/lb.	.498	.615
NEg	Mcal/lb.	.286	.353
Ash	%	4.49	5.55
Lignin Insoluble Ash	%	.17	.21
Calcium (Ca)	%	.23	.29
Phosphorus (P)	%	.19	.23
Magnesium (Mg)	%	.15	.18
Potassium (K)	%	1.30	1.60
Sulfur (S)	%	.08	.10
Sodium (Na)	%	.026	.032
Chloride (Cl)	%		
Copper (Cu)	ppm	3	4
Manganese (Mn)	ppm	44	54
Zinc (Zn)	ppm	18	22
Iron (Fe)	ppm	26	32
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			89
RFQ (Relative Feed Quality)			141
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		