

HOLMES LABORATORY INC.
3559 US 62
Millersburg, OH 44654
www.facebook.com/holmeslab

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

Customer: Groeschl Ag

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

Date Reported: 07/08/2021
Lab Number: 21-680
SAMPLE I.D.: Grass Hay
Phillip's 1st

Item	Units	As Sampled Basis	Dry Matter Basis
Moisture	%	13.81	
Dry Matter	%	86.19	
Crude Protein	%	10.01	11.61
Available Protein	%	9.62	11.16
Adjusted Crude Protein	%	10.01	11.61
A.D.F. Protein	%	.39	.45
N.D.F. Protein	%	1.85	2.15
Soluble Protein	%		
Protein Solubility	%		
Lignin	%	5.29	6.14
Acid Detergent Fiber	%	32.78	38.03
Neutral Detergent Fiber	%	52.14	60.50
NFC (Non-Fiber Carbohydrate)	%	18.74	21.74
Sugar	%	7.18	8.33
Starch	%	2.28	2.65
NSC = Starch + Sugar	%	9.46	10.98
Crude Fat	%	1.92	2.23
TDN	%	47.43	55.03
NEL	Mcal/lb.	.519	.602
NEm	Mcal/lb.	.451	.523
NEg	Mcal/lb.	.232	.269
Ash	%	5.24	6.08
Lignin Insoluble Ash	%	.95	1.10
Calcium (Ca)	%	.20	.23
Phosphorus (P)	%	.16	.19
Magnesium (Mg)	%	.15	.17
Potassium (K)	%	1.62	1.88
Sulfur (S)	%	.17	.20
Sodium (Na)	%	.025	.029
Chloride (Cl)	%		
Copper (Cu)	ppm	1	1
Manganese (Mn)	ppm	27	31
Zinc (Zn)	ppm	11	13
Iron (Fe)	ppm	34	40
Molybdenum (Mo)	ppm		
Nitrate (NO3)	%		Negative
pH			
RFV (Relative Feed Value)			91
RFQ (Relative Forage Quality)			115
Horse DE	Mcal/lb.		
Horse TDN	%		
Crude Fiber	%		
DCAD	meq./100g DM		
DCAD	meq./1 lb.DM		