



IEH - JL ANALYTICAL

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M & C Hay
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Report # L2.2-18R50191
Report Date: 11/27/2023
Received Date: 11/27/2023
Work Order: 620781
Submitted by:

Laboratory Number: 62078102
Description: Alfalfa Hay, Lot #P5A3-23 Alfalfa Hay 3rd Cutting Pivot #5
Small Bales Lot P5A3-23, 11/8/23

Certificate of Analysis

Constituent	As Received	90% Dry Basis	100% Dry Basis		Method Reference	Analysis Date
Dry Matter	90.7			%	AOAC 991.01	11/27/2023
Acid Detergent Fiber	16.7	16.6	18.4	%	AOAC 989.03 (NIR)	11/27/2023
Crude Protein (N X 6.25)	24.6	24.4	27.1	%	AOAC 990.03	11/27/2023
Neutral Detergent Fiber	22.4	22.2	24.7	%	NFTA 5.3 (NIR)	11/27/2023
Acid Detergent Lignin	3.4	3.4	3.7	%	NIR	11/27/2023
Total Digestible Nutrients	62.2	61.7	68.6	%	UCCE 21457 ⁶	11/27/2023
Net Energy for Lactation	0.642	0.637	0.707	Mcal/lb	UCCE 21457 ⁶	11/27/2023
Relative Feed Value			281	SU	NFTA A1 ⁸	11/27/2023
Potassium	1.3	1.3	1.5	%	NFTA Appendix B	11/27/2023
Sodium	0.24	0.23	0.26	%	NFTA Appendix B	11/27/2023
Magnesium	0.33	0.32	0.36	%	NFTA Appendix B	11/27/2023
Calcium	1.3	1.3	1.4	%	NFTA Appendix B	11/27/2023
Phosphorus	0.25	0.25	0.28	%	NFTA Appendix B	11/27/2023
Sulfur	0.22	0.22	0.24	%	NFTA Appendix B	11/27/2023
Chloride	0.8	0.8	0.9	%	NFTA Appendix B	11/27/2023
Dietary Cation-Anion Difference			77	meq/kg	Jardan 1997 ⁹	11/27/2023

Notes

- 9 Equation from Jordan, 1997 California Alfalfa Symposium Proceedings
- 8 Equation from National Forage Testing Association Procedure Manual
- 6 Calculated from Acid Detergent Value Equations from University of California Extension leaflet 21457

Authorized By:  11/27/2023

Robert Norred, Lab Technician

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