



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: 62078105
Description: Alfalfa Hay, Lot P2A2-23 Alfalfa Hay 2nd Cutting Pivot #2 Lot
#P2A2-23, 3rd Cut Pivot 2 Lot #P2A3-23, 11/8/23

Certificate of Analysis

Constituent	As Received	90% Dry Basis	100% Dry Basis	Method Reference	Analysis Date
Dry Matter	91.4		%	AOAC 991.01	11/27/2023
Acid Detergent Fiber	27.2	26.8	29.8 %	AOAC 989.03 (NIR)	11/27/2023
Crude Protein (N X 6.25)	20.6	20.3	22.6 %	AOAC 990.03	11/27/2023
Neutral Detergent Fiber	33.2	32.7	36.3 %	NFTA 5.3 (NIR)	11/27/2023
Acid Detergent Lignin	5.5	5.4	6.0 %	NIR	11/27/2023
Total Digestible Nutrients	54.8	54.0	60.0 %	UCCE 21457 ⁶	11/27/2023
Net Energy for Lactation	0.56	0.551	0.613 Mcal/lb	UCCE 21457 ⁶	11/27/2023
Relative Feed Value			168 SU	NFTA A1 ⁸	11/27/2023
Potassium	1.1	1.1	1.2 %	NFTA Appendix B	11/27/2023
Sodium	0.3	0.3	0.33 %	NFTA Appendix B	11/27/2023
Magnesium	0.39	0.39	0.43 %	NFTA Appendix B	11/27/2023
Calcium	1.7	1.6	1.8 %	NFTA Appendix B	11/27/2023
Phosphorus	0.2	0.2	0.22 %	NFTA Appendix B	11/27/2023
Sulfur	0.26	0.26	0.29 %	NFTA Appendix B	11/27/2023
Chloride	1.1	1.1	1.2 %	NFTA Appendix B	11/27/2023
Dietary Cation-Anion Difference			-58 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: Robert Norred 11/27/2023

Robert Norred, Lab Technician

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