



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: 62078103
Description: Alfalfa Hay, Lot #P2A1-23 Alfalfa Hay 1st Cutting Pivot #2 Lot
#P2A1-23, 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	25.5	25.1	27.9	%	AOAC 989.03 (NIR)	11/27/2023
Crude Protein (N X 6.25)	23.1	22.8	25.3	%	AOAC 990.03	11/27/2023
Neutral Detergent Fiber	32.7	32.2	35.8	%	NFTA 5.3 (NIR)	11/27/2023
Acid Detergent Lignin	5.3	5.2	5.8	%	NIR	11/27/2023
Total Digestible Nutrients	56.1	55.3	61.4	%	UCCE 21457 ⁶	11/27/2023
Net Energy for Lactation	0.574	0.565	0.628	Mcal/lb	UCCE 21457 ⁶	11/27/2023
Relative Feed Value			174	SU	NFTA A1 ⁸	11/27/2023
Potassium	1.1	1.1	1.2	%	NFTA Appendix B	11/27/2023
Sodium	0.29	0.29	0.32	%	NFTA Appendix B	11/27/2023
Magnesium	0.37	0.36	0.4	%	NFTA Appendix B	11/27/2023
Calcium	1.4	1.3	1.5	%	NFTA Appendix B	11/27/2023
Phosphorus	0.26	0.25	0.28	%	NFTA Appendix B	11/27/2023
Sulfur	0.25	0.24	0.27	%	NFTA Appendix B	11/27/2023
Chloride	0.8	0.8	0.9	%	NFTA Appendix B	11/27/2023
Dietary Cation-Anion Difference			14	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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