



# 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: 62078101  
Description: Alfalfa Hay, Lot #P5A1-23 Alfalfa 1st Cutting Small Bales Lot  
#P5A1-23, 11/8/23

## Certificate of Analysis

Constituent	As Received	90% Dry Basis	100% Dry Basis		Method Reference	Analysis Date
Dry Matter	91.2			%	AOAC 991.01	11/27/2023
Acid Detergent Fiber	25.0	24.6	27.4	%	AOAC 989.03 (NIR)	11/27/2023
Crude Protein (N X 6.25)	22.3	22.0	24.4	%	AOAC 990.03	11/27/2023
Neutral Detergent Fiber	32.3	31.9	35.4	%	NFTA 5.3 (NIR)	11/27/2023
Acid Detergent Lignin	4.5	4.4	4.9	%	NIR	11/27/2023
Total Digestible Nutrients	56.4	55.6	61.8	%	UCCE 21457 <sup>6</sup>	11/27/2023
Net Energy for Lactation	0.577	0.569	0.632	Mcal/lb	UCCE 21457 <sup>6</sup>	11/27/2023
Relative Feed Value			178	SU	NFTA A1 <sup>8</sup>	11/27/2023
Potassium	1.6	1.6	1.7	%	NFTA Appendix B	11/27/2023
Sodium	0.22	0.22	0.24	%	NFTA Appendix B	11/27/2023
Magnesium	0.36	0.36	0.4	%	NFTA Appendix B	11/27/2023
Calcium	1.9	1.9	2.1	%	NFTA Appendix B	11/27/2023
Phosphorus	0.22	0.22	0.24	%	NFTA Appendix B	11/27/2023
Sulfur	0.25	0.24	0.27	%	NFTA Appendix B	11/27/2023
Chloride	0.8	0.8	0.8	%	NFTA Appendix B	11/27/2023
Dietary Cation-Anion Difference			140	meq/kg	Jardan 1997 <sup>9</sup>	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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