



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: 62078104
Description: Alfalfa Hay, Lot #P2A3-23 Alfalfa Hay, 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	89.0		%	AOAC 991.01	11/27/2023
Acid Detergent Fiber	22.5	22.8	25.3 %	AOAC 989.03 (NIR)	11/27/2023
Crude Protein (N X 6.25)	19.9	20.1	22.3 %	AOAC 990.03	11/27/2023
Neutral Detergent Fiber	29.1	29.4	32.7 %	NFTA 5.3 (NIR)	11/27/2023
Acid Detergent Lignin	4.7	4.8	5.3 %	NIR	11/27/2023
Total Digestible Nutrients	56.4	57.0	63.4 %	UCCE 21457 ⁶	11/27/2023
Net Energy for Lactation	0.579	0.585	0.65 Mcal/lb	UCCE 21457 ⁶	11/27/2023
Relative Feed Value			197 SU	NFTA A1 ⁸	11/27/2023
Potassium	1.0	1.0	1.2 %	NFTA Appendix B	11/27/2023
Sodium	0.32	0.32	0.36 %	NFTA Appendix B	11/27/2023
Magnesium	0.36	0.37	0.41 %	NFTA Appendix B	11/27/2023
Calcium	1.7	1.7	1.9 %	NFTA Appendix B	11/27/2023
Phosphorus	0.18	0.18	0.2 %	NFTA Appendix B	11/27/2023
Sulfur	0.23	0.23	0.26 %	NFTA Appendix B	11/27/2023
Chloride	0.9	0.9	1.0 %	NFTA Appendix B	11/27/2023
Dietary Cation-Anion Difference			4 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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