



IEH - JL ANALYTICAL

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Report # L2.2-18R36165
Report Date: 08/27/2018
Received Date: 08/27/2018
Work Order: 444416
Submitted by:

Laboratory Number: 44441609
Description: Alfalfa Hay, #138 323 Bales, 8/24/18

Certificate of Analysis

Constituent	As Received	90% Dry Basis	100% Dry Basis	Method Reference	Analysis Date
Dry Matter	93.7		%	AOAC 991.01	08/27/2018
Acid Detergent Fiber	28.3	27.1	30.2 %	AOAC 989.03	08/27/2018
Crude Protein (N X 6.25)	19.2	18.4	20.5 %	AOAC 989.03	08/27/2018
Neutral Detergent Fiber	36.0	34.5	38.4 %	NFTA 5.3	08/27/2018
Acid Detergent Lignin	5.0	4.8	5.4 %	NIR	08/27/2018
Total Digestible Nutrients	56.0	53.7	59.7 %	UCCE 21457 ⁶	08/27/2018
Net Energy for Lactation	0.571	0.548	0.609 Mcal/lb	UCCE 21457 ⁶	08/27/2018
Relative Feed Value			159 SU	NFTA A1 ⁸	08/27/2018
Potassium	2.1	2.0	2.2 %	NFTA Appendix B	08/27/2018
Sodium	0.21	0.2	0.22 %	NFTA Appendix B	08/27/2018
Magnesium	0.15	0.14	0.16 %	NFTA Appendix B	08/27/2018
Calcium	1.3	1.3	1.4 %	NFTA Appendix B	08/27/2018
Phosphorus	0.31	0.3	0.33 %	NFTA Appendix B	08/27/2018
Sulfur	0.21	0.2	0.22 %	NFTA Appendix B	08/27/2018
Chloride	0.6	0.6	0.7 %	NFTA Appendix B	08/27/2018
Dietary Cation-Anion Difference			340 meq/kg	Jardan 1997 ⁹	08/27/2018

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:  08/27/2018

Robert Norred, Lab Technician

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