



Report # 551957

**Feed Analytical Report**

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Email

Kevin DHondt  
1st & 2nd Cuts  
Box 625  
Earlton, ON P0J 1E0

Fax:

Date Received: Mar-07-2019

Email: nqfarms@parolink.net

Date Reported: Mar-13-2019

Laboratory Number: 14340712

Feed Type: hay for horses

Sample ID: 1 - 1st Cut Timothy/Alfalfa

Test Type: Equine Complete

Test	Dry Basis	As Is	Test	Dry Basis	As Is
Dry Matter %		88.33	MINERALS		
Moisture %		11.67	Ash %	6.13	5.41
PROTEIN			Calcium (%)	0.72	0.63
Protein % (N x 6.25)	11.72	10.35	Phosphorus (%)	0.14	0.13
Soluble Protein (%)	4.11	3.63	Potassium (%)	1.65	1.45
SP % of CP	35.07		Magnesium (%)	0.14	0.12
ADF-CP % (ADP)	2.12	1.87	Sodium %	0.04	0.03
ADP as % of CP	18.09		Copper (ppm)	7.14	6.30
NDF-CP% (NDP)	4.82	4.26	Iron (ppm)	71.03	62.74
NDP as % of CP	41.13		Manganese (ppm)	12.74	11.26
Adjusted Crude Protein %	10.42	9.20	Zinc (ppm)	15.65	13.82
FIBRES			Ca:P Ratio	4.98	
Acid Detergent Fibre (%)	39.76	35.12	Zn:Cu Ratio	2.19	
aNeutral Detergent Fibre (%)	58.54	51.71	ENERGY (ADF Based)		
Lignin %	9.48	8.37	TDN (%)	45.50	40.19
NON-FIBRES			Digestible Energy (MCal/Kg)	2.01	1.77
Fat (%)	1.40	1.24	OTHER		
Ethanol Soluble CHO (%)	5.08	4.49	Relative Feed Value	92.05	
Water Soluble CHO (%)	9.26	8.18			
Non-Structural Carbohydrates	11.84				
Starch (%)	2.58	2.28			

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Authorized By:

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Fax:  
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Date Received: Mar-07-2019  
Date Reported: Mar-13-2019

Laboratory Number: 14340713

Sample ID: 2 - 1st Cut Orchard/Timothy/Alfalfa

Feed Type: hay for horses

Test Type: Equine Complete

Test	Dry Basis	As Is	Test	Dry Basis	As Is
Dry Matter %		89.44	MINERALS		
Moisture %		10.56	Ash %	7.99	7.15
PROTEIN			Calcium (%)	0.50	0.45
Protein % (N x 6.25)	11.89	10.63	Phosphorus (%)	0.20	0.18
Soluble Protein (%)	3.78	3.38	Potassium (%)	2.24	2.00
SP % of CP	31.79		Magnesium (%)	0.17	0.16
ADF-CP % (ADP)	1.94	1.74	Sodium %	0.04	0.04
ADP as % of CP	16.32		Copper (ppm)	6.28	5.62
NDF-CP% (NDP)	6.43	5.75	Iron (ppm)	127.17	113.74
NDP as % of CP	54.08		Manganese (ppm)	65.60	58.67
Adjusted Crude Protein %	10.78	9.64	Zinc(ppm)	16.91	15.12
FIBRES			Ca:P Ratio	2.48	
Acid Detergent Fibre (%)	36.23	32.40	Zn:Cu Ratio	2.69	
aNeutral Detergent Fibre (%)	58.38	52.22	ENERGY (ADF Based)		
Lignin %	5.03	4.50	TDN (%)	47.62	42.59
NON-FIBRES			Digestible Energy (MCal/Kg)	2.10	1.88
Fat (%)	2.14	1.91	OTHER		
Ethanol Soluble CHO (%)	4.75	4.25	Relative Feed Value	96.68	
Water Soluble CHO (%)	7.42	6.64			
Non-Structural Carbohydrates	10.16				
Starch (%)	2.74	2.45			

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Fax:  
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Date Received: Mar-07-2019  
Date Reported: Mar-13-2019

Laboratory Number: 14340714

Sample ID: 3 - 2nd Cut Timothy/Alfalfa

Feed Type: hay for horses

Test Type: Equine Complete

Test	Dry Basis	As Is	Test	Dry Basis	As Is
Dry Matter %		86.82	MINERALS		
Moisture %		13.18	Ash %	9.26	8.04
PROTEIN			Calcium (%)	1.10	0.96
Protein % (N x 6.25)	17.56	15.25	Phosphorus (%)	0.19	0.17
Soluble Protein (%)	5.42	4.71	Potassium (%)	2.28	1.98
SP % of CP	30.87		Magnesium (%)	0.22	0.19
ADF-CP % (ADP)	1.97	1.71	Sodium %	0.05	0.05
ADP as % of CP	11.22		Copper (ppm)	11.28	9.79
NDF-CP% (NDP)	6.00	5.21	Iron (ppm)	94.97	82.46
NDP as % of CP	34.17		Manganese (ppm)	21.88	19.00
FIBRES			Zinc(ppm)	29.78	25.85
Acid Detergent Fibre (%)	31.88	27.68	Ca:P Ratio	5.76	
aNeutral Detergent Fibre (%)	44.74	38.84	Zn:Cu Ratio	2.64	
Lignin %	7.68	6.67	ENERGY (ADF Based)		
NON-FIBRES			TDN (%)	55.22	47.94
Fat (%)	1.90	1.65	Digestible Energy (MCal/Kg)	2.43	2.11
Ethanol Soluble CHO (%)	5.34	4.64	OTHER		
Water Soluble CHO (%)	9.13	7.93	Relative Feed Value	133.20	
Non-Structural Carbohydrates	11.62				
Starch (%)	2.49	2.16			

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Date Received: Mar-07-2019  
Date Reported: Mar-13-2019

Laboratory Number: 14340715

Sample ID: 4 - 2nd Cut Orchard/Alfalfa

Feed Type: hay for horses  
Test Type: Equine Complete

Test	Dry Basis	As Is	Test	Dry Basis	As Is
Dry Matter %		88.80	MINERALS		
Moisture %		11.20	Ash %	8.69	7.72
PROTEIN			Calcium (%)	1.02	0.91
Protein % (N x 6.25)	12.81	11.38	Phosphorus (%)	0.21	0.19
Soluble Protein (%)	3.72	3.30	Potassium (%)	1.58	1.40
SP % of CP	29.04		Magnesium (%)	0.35	0.31
ADF-CP % (ADP)	1.95	1.73	Sodium %	0.05	0.05
ADP as % of CP	15.22		Copper (ppm)	6.91	6.14
NDF-CP% (NDP)	6.80	6.04	Iron (ppm)	140.52	124.78
NDP as % of CP	53.08		Manganese (ppm)	91.74	81.47
Adjusted Crude Protein %	11.76	10.44	Zinc (ppm)	17.40	15.45
FIBRES			Ca:P Ratio	4.82	
Acid Detergent Fibre (%)	36.87	32.74	Zn:Cu Ratio	2.52	
aNeutral Detergent Fibre (%)	56.06	49.78	ENERGY (ADF Based)		
Lignin %	5.59	4.96	TDN (%)	47.90	42.54
NON-FIBRES			Digestible Energy (MCal/Kg)	2.11	1.88
Fat (%)	2.31	2.05	OTHER		
Ethanol Soluble CHO (%)	5.16	4.58	Relative Feed Value	99.86	
Water Soluble CHO (%)	11.81	10.49			
Non-Structural Carbohydrates	14.80				
Starch (%)	2.99	2.66			

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