



WELD LABORATORIES, INC.

1527 First Avenue • Greeley, Colorado 80631
 Phone: (970) 353-8118 • Fax: (970) 353-1671
 www.weldlabs.com



Serena Smith
 104 Star View Dr
 Livermore, CO 80536

Lab #: F72725
 Date Received: 9/04/2018
 Date Reported: 9/04/2018

Sample ID: Horse Hay 1

F18243-8A

Feeds Test Results

	As Received	Units	Method	Comparative
Dry Matter	90.2	%	N	
Moisture	9.8	%		
Dry Matter Basis				
Crude Protein	6.9	%	N	
Acid Detergent Fiber (ADF)	38.3	%	N	
Neutral Detergent Fiber (NDF)	65.6	%	N	
Crude Fat	3.4	%	N	
Ash	8.15	%	N	
Calcium	0.40	%	N	
Phosphorus	0.14	%	N	
Magnesium	0.06	%	N	
Potassium	1.45	%	N	
Sulfur		%		
Sodium		%		
Iron		ppm		
Manganese		ppm		
Zinc		ppm		
Copper		ppm		
Chloride		%		
Nitrate		%NO ₃		
dNDF48	32.6	%	N	
ADFIP		%		
NDFIP		%		
Lignin	5.95	%	N	
Crude Fiber		%		
Starch	1.3	%		
Soluble Protein		%		
Calculated Values				
R F V	84			
R F Q	91			
ADFIP/Crude Protein		%		
NDFIP/Crude Protein		%		
Sol. Protein/Crude Protein		% CP		
NFC		%		
Lignin/NDF	9.1	%		
TDN	58.02	%		
Net Energy Lactation	0.59	Mcal/lb		

N = NIR, W = Wet Chem.

Sugars (DMB) = 11.6%; WSC (DMB) = 13.3%; NSC (DMB) = 14.6%
 Customers are advised that NIR analysis of feed materials is an indirect determination.

Sampling procedures can affect the value of analytical results – customers are advised to use appropriate sampling protocol to ensure samples are truly representative of the bulk sample.



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Lab #: F72727
 Date Received: 9/04/2018
 Date Reported: 9/04/2018

Sample ID: **Horse Hay 2**

F18243-8C

Feeds Test Results

	As Received	Units	Method	Comparative
Dry Matter	90.3	%	N	
Moisture	9.7	%		
Dry Matter Basis				
Crude Protein	5.8	%	N	
Acid Detergent Fiber (ADF)	42.3	%	N	
Neutral Detergent Fiber (NDF)	69.1	%	N	
Crude Fat	3.2	%	N	
Ash	8.11	%	N	
Calcium	0.35	%	N	
Phosphorus	0.14	%	N	
Magnesium	0.04	%	N	
Potassium	1.46	%	N	
Sulfur		%		
Sodium		%		
Iron		ppm		
Manganese		ppm		
Zinc		ppm		
Copper		ppm		
Chloride		%		
Nitrate		%NO ₃		
dNDF48	33.9	%	N	
ADFIP		%		
NDFIP		%		
Lignin	6.63	%	N	
Crude Fiber		%		
Starch	0.3	%		
Soluble Protein		%		
Calculated Values				
R F V	75			
R F Q	82			
ADFIP/Crude Protein		%		
NDFIP/Crude Protein		%		
Sol. Protein/Crude Protein		% CP		
NFC		%		
Lignin/NDF	9.6	%		
TDN	56.00	%		
Net Energy Lactation	0.57	Mcal/lb		

N = NIR, W = Wet Chem.

Sugars (DMB) = 8.6%; WSC (DMB) = 9.6%; NSC (DMB) = 9.9%
 Customers are advised that NIR analysis of feed materials is an indirect determination.

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Serena Smith
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Lab #: F72728
 Date Received: 9/04/2018
 Date Reported: 9/04/2018

Sample ID: **2 Sugar Only**

F18243-8C

Feeds Test Results

	As Received	Units	Method	Comparative
Dry Matter	89.7	%	N	
Moisture	10.3	%		
Dry Matter Basis				
Crude Protein	6.0	%	N	
Acid Detergent Fiber (ADF)	41.8	%	N	
Neutral Detergent Fiber (NDF)	67.4	%	N	
Crude Fat		%		
Ash		%		
Calcium	0.46	%	N	
Phosphorus	0.14	%	N	
Magnesium	0.06	%	N	
Potassium	1.54	%	N	
Sulfur		%		
Sodium		%		
Iron		ppm		
Manganese		ppm		
Zinc		ppm		
Copper		ppm		
Chloride		%		
Nitrate		%NO ₃		
dNDF48		%		
ADFIP		%		
NDFIP		%		
Lignin		%		
Crude Fiber		%		
Starch		%		
Soluble Protein		%		
Calculated Values				
R F V	78			
R F Q				
ADFIP/Crude Protein		%		
NDFIP/Crude Protein		%		
Sol. Protein/Crude Protein		% CP		
NFC		%		
Lignin/NDF		%		
TDN	55.79	%		
Net Energy Lactation	0.57	Mcal/lb		

N = NIR, W = Wet Chem.

Sugars (DMB) = 8.8%; WSC (DMB) = 10.0%

Customers are advised that NIR analysis of feed materials is an indirect determination.

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Serena Smith
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 Livermore, CO 80536

Lab #: F72726
 Date Received: 9/04/2018
 Date Reported: 9/04/2018

Sample ID: **1 Sugar Only**

F18243-8B

Feeds Test Results

	As Received	Units	Method	Comparative
Dry Matter	90.2	%	N	
Moisture	9.8	%		
Dry Matter Basis				
Crude Protein	6.2	%	N	
Acid Detergent Fiber (ADF)	43.6	%	N	
Neutral Detergent Fiber (NDF)	71.1	%	N	
Crude Fat		%		
Ash		%		
Calcium	0.39	%	N	
Phosphorus	0.14	%	N	
Magnesium	0.04	%	N	
Potassium	1.39	%	N	
Sulfur		%		
Sodium		%		
Iron		ppm		
Manganese		ppm		
Zinc		ppm		
Copper		ppm		
Chloride		%		
Nitrate		%NO ₃		
dNDF48		%		
ADFIP		%		
NDFIP		%		
Lignin		%		
Crude Fiber		%		
Starch		%		
Soluble Protein		%		
Calculated Values				
R F V	72			
R F Q				
ADFIP/Crude Protein		%		
NDFIP/Crude Protein		%		
Sol. Protein/Crude Protein		% CP		
NFC		%		
Lignin/NDF		%		
TDN	53.81	%		
Net Energy Lactation	0.54	Mcal/lb		

N = NIR, W = Wet Chem.

Sugars (DMB) = 7.3%; WSC (DMB) = 7.8%
 Customers are advised that NIR analysis of feed materials is an indirect determination.

Sampling procedures can affect the value of analytical results – customers are advised to use appropriate sampling protocol to ensure samples are truly representative of the bulk sample.