



Guaranteed Analysis	Dry Matter, %	97.0
	Crude Protein, %	45.0
	Fat, % (min)	1.7
	Fiber, % (max)	4.2

Typical Analysis

	<u>As Fed Data</u>	<u>100% DM Data</u>		<u>As Fed Data</u>	<u>100% DM Data</u>
Dry Matter	97.000		Calcium	0.260	0.270
Crude Protein	45.000	46.392	Phosphorus	0.890	0.920
			Magnesium	0.360	0.370
	<u>% of Guaranteed Protein</u>		Potassium	1.990	2.050
Soluble	1.971	1.971	Sulfur	0.570	0.590
Degradable	21.219	21.219	Sodium	0.050	0.060
Undegradable	78.781	78.781	Chlorine	0.080	0.080
				<u>ppm</u>	
Sugar A	12.459	12.844	Iron	143.640	148.080
Starch B1	4.249	4.381	Zinc	53.500	55.160
NDF B2	20.161	20.785	Copper	14.900	15.360
			Manganese	30.420	31.360
	<u>As Fed Data</u>	<u>100% DM Data</u>	Selenium	0.000	0.000
ADF	7.631	7.867	Cobalt	0.000	0.000
NDF	13.352	13.765	Iodine	0.000	0.000
NFC	36.869	38.009		<u>I.u./lb.</u>	
Crude Fat	2.722	2.807	Vitamin A	0.000	0.000
Ash	6.137	6.327	Vitamin D	0.000	0.000
NE lact(Mcal/cwt)	95.477	98.430	Vitamin E	0.000	0.000
<u>Amino Acids</u>	<u>% Total AA</u>	<u>% of UIP</u>	<u>Fatty Acids</u>	<u>% As Fed</u>	<u>% DM</u>
Methionine	1.423	1.474	Lipolysis kd		500.000
Lysine	5.845	5.463	Total FA	2.331	2.403
Arginine	6.759	7.009	C12:0	0.001	0.006
Threonine	3.721	4.037	C14:0	0.000	0.012
Leucine	7.546	8.144	C16:0	0.198	0.441
Isoleucine	4.378	4.804	C16:1	0.000	0.002
Valine	4.889	5.385	C18:0	0.031	0.087
Histidine	2.638	2.582	C18:1T	0.000	0.005
Phenylalanine	4.873	5.298	C18:1C	0.013	0.463
Tryptophan	0.595	1.386	C18:2	0.049	1.536
AA Dig		91.039	C18:3	0.017	0.228
					2.781

Technical Information

	<u>As Fed Data</u>	<u>DM Data</u>		<u>As Fed</u>	<u>CPM</u>
% DM	97.000	97.000	% DM Ca	0.257	0.265
% DM NDF	13.352	13.765	% DM P	0.889	0.916
% NDF eNDF	0.214	1.600	% DM Mg	0.360	0.371
% DM CP	45.000	46.392	% DM K	1.989	2.050
% CP SolP	0.887	1.971	% DM S	0.571	0.589
% CP UIP	35.452	78.781	% DM Na	0.054	0.055
% CP ADFIP	2.334	5.187	% DM Cl	0.078	0.081
% DM Fat	2.722	2.807	PPM Fe	143.641	148.083
% DM Fiber	3.174	3.272	PPM Zn	53.503	55.158
% DM ADF	7.631	7.867	PPM Cu	14.898	15.359
% DM Ash	6.137	6.327	PPM Mn	30.418	31.359
% NFC Starch	4.249	11.525	PPM Se	0.000	0.000
% NFC Sugar	12.459	33.792	PPM Co	0.000	0.000
% NDF Lignin	0.429	3.213	PPM I	0.000	0.000
% SolP NPN	0.832	93.781	KIU Vit A	0.000	0.000
% CP NDFIP	7.080	15.734	KIU Vit D	0.000	0.000
			IU Vit E	0.000	0.000

	<u>Linear Dig UIP AA</u>	<u>AA% of UIP</u>	<u>Metabolizable Amino Acids, % as fed</u>		
			<u>Feed</u>	<u>Bacterial</u>	<u>Total</u>
% Methionine	0.476	1.474	0.476	0.048	0.524
% Lysine	1.763	5.463	1.763	0.147	1.911
% Arginine	2.626	7.009	2.262	0.125	2.387
% Threonine	1.303	4.037	1.303	0.100	1.403
% Leucine	2.629	8.144	2.629	0.135	2.764
% Isoleucine	1.550	4.804	1.550	0.106	1.656
% Valine	1.738	5.385	1.738	0.111	1.849
% Histidine	0.833	2.582	0.833	0.048	0.882
% Phenylalanine	1.710	5.298	1.710	0.093	1.803
% Tryptophan	0.447	1.386	0.447	0.029	0.477
% Digestible UIP	32.275	91.039			

RUMEN DYNAMICS (As Fed Basis)

<u>CPM Model</u>	<u>Rumen Escape</u> g/kg/hr	<u>Rumen Degraded</u> g/kg/hr	<u>Intestinal</u>	<u>Rumen Rate</u>
			<u>Digestibility</u> %	<u>Constant KD,</u> %/h
Sugar A	2.884	121.703	100.000	300.000
Starch B1	10.169	32.323	75.000	22.600
Sol Fib B2	109.340	92.270	20.000	6.000
Avail Fib B3	13.599	38.826	20.000	20.300
Protein A	0.000	8.318		
Protein B1	0.019	0.533	100.000	200.000
Protein B2	289.025	81.301	100.000	2.000
Protein B3	42.129	5.333	80.000	0.900
Protein C	23.342		0.000	
NBC	<u>% of CP</u>	<u>Prot B Kd</u>	<u>% RUP</u>	<u>RUP % Dig.</u>
Protein A	8.630		75.051	90.120
Protein B	78.392	2.050		
Protein C	14.203			

	<u>Rate of Passage of Conc.</u>	
	<u>As Fed</u>	<u>DM Basis</u>
NFC	36.869	38.009
<u>Lactating</u>		
Peptides, %	20.175	22.195
TDN, %	83.409	85.989
DE, Mcal/kg	3.678	3.791
ME, Mcal/kg	3.269	3.37
NE, Mcal/kg	2.105	2.17
NE, Mcal/cwt	95.477	98.43
ME, Mj/kg	8.811	9.084
<u>Growing</u>		
Me, Mcal/kg	3.016	3.109
Nem, Mcal/kg	2.261	2.331
NE m, Mcal/kg	1.577	1.626

Note: % RUP @ DMI=4% BW and Forage=50% of DM