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Sample Date: 2023-12-08
Sample No.: 008-2312-1305962
Reference: 8384

DAIRYLAND
 Laboratories, Inc.

To: MOJO Seed Enterprises, LLLP
 PO Box 1716
 3799 CR22
 Hereford, TX 79045

Account No.: 12557 (0)
Sampled By: MOJO Seed Enterprise
Sampled For: MOJO SEED ENTERPRISE

Product: 23-008

Description2 SORGHUM SILAGE
Description3 12/7/2023

Test Mode: N9
Feed Type: Small Grain Silage
Sub Type: Sorghum/sudan

Moisture	62.81%		
Dry Matter	37.19%		
pH	5.53		
		Dry Basis	90% Range*
Crude Protein	%DM	8.29	5.06 - 16.0
AD-ICP	%CP	9.66	5.48 - 18.3
ND-ICP w/SS	%CP	20.02	
Protein Sol.	%CP	10.37	21.4 - 61.0
Ammonia-CP	%CP	10.74	1.23 - 25.0
Total Amino Acids	%DM	7.84	6.01 - 16.6
Total Amino Acids	%CP	94.57	57.4 - 94.1
Lysine	%CP	8.81	1.39 - 6.30
Methionine	%CP	3.02	1.11 - 2.59
Isoleucine	%CP	3.86	2.83 - 4.61
Leucine	%CP	9.17	4.85 - 8.16
Histidine	%CP	1.93	0.19 - 2.15
ADF	%DM	25.60	30.8 - 47.4
aNDF	%DM	41.98	45.7 - 68.2
aNDFom	%DM	40.59	41.6 - 64.5
Lignin	%NDFom	8.43	
Lignin (Sulfuric Acid)	%DM	3.42	3.67 - 7.52
NDFD12	%NDFom	39.54	19.2 - 43.2
NDFD 24	%NDFom	45.63	31.2 - 62.6
NDFD 30	%NDFom	49.82	34.6 - 65.9
NDFD 48	%NDFom	56.71	53.4 - 66.2
NDFD240	%NDFom	64.23	57.2 - 82.0
uNDFom12	%DM	24.54	28.1 - 42.8
uNDFom24	%DM	22.07	19.3 - 35.8
uNDFom30	%DM	20.37	18.0 - 35.5
uNDFom48	%DM	17.57	14.9 - 22.3
uNDFom240	%DM	14.52	10.1 - 24.7
Sugar (ESC)	%DM	10.38	0.31 - 3.87
Sugar (WSC)	%DM	12.71	1.50 - 12.7
Starch	%DM	26.80	0.12 - 21.5
Fat (EE)	%DM	3.41	1.44 - 4.01
TFA (fat)	%DM	1.53	0.60 - 2.22
16:0 Palmitic	%TFA	22.22	22.0 - 39.3
18:0 Stearic	%TFA	1.31	0.78 - 8.33

18:1 Oleic	%TFA	22.88	3.65 - 21.0
18:2 Linoleic	%TFA	50.98	17.4 - 50.8
18:3 Linolenic	%TFA	0.65	0.88 - 49.6
Ash	%DM	7.70	5.63 - 17.0
Calcium	%DM	0.24	0.23 - 0.77
Phosphorus	%DM	0.22	0.17 - 0.40
Magnesium	%DM	0.18	0.14 - 0.38
Potassium	%DM	1.34	1.01 - 3.48
Sulfur	%DM	0.11	0.09 - 0.22
Chloride	%DM	0.39	0.15 - 1.48
Lactic Acid	%DM	0.09	1.05 - 7.44
Acetic Acid	%DM	<0.01	0.12 - 2.52
Propionic Acid	%DM	<0.01	0.06 - 0.47
Butyric Acid	%DM	0.24	0.03 - 1.51

*Sorghum/sudan silage statistics provided for comparison.

Calculations

NFC	%DM	42.55	
NSC	%DM	39.51	
RFV		152.89	
RFQ		151.08	
NDF kd rate MIR_P1	%/hr	5.17	
Adjusted Crude Protein	%DM	8.29	
		ADF	OARDC
TDN	%DM	68.25	66.79
Nel 3x	Mcal/cwt	70.55	68.93
Neg	Mcal/cwt	34.33	41.31
Nem	Mcal/cwt	60.43	68.17
Milk per ton	lbs/ton		3164
Beef per ton	lbs/ton		

ISU Beef

TDN	%DM	57.55
Nel 3x	Mcal/cwt	
Neg	Mcal/cwt	34.27
Nem	Mcal/cwt	59.96
Milk per ton	lbs/ton	
Beef per ton	lbs/ton	181



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Billing Information

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Date: 2023-12-08
Sample No.: 008-2312-1305962

\$32.00 N9-Complete NASEM
\$32.00 Total Invoice