



**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:** 23-006

**Description2** SORGHUM SILAGE  
**Description3** 12/7/2023

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

Moisture	47.76%		
Dry Matter	52.24%		
pH	5.86		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	9.28	5.06 - 16.0
AD-ICP	%CP	9.38	5.48 - 18.3
ND-ICP w/SS	%CP	15.30	
Protein Sol.	%CP	17.03	21.4 - 61.0
Ammonia-CP	%CP	9.38	1.23 - 25.0
Total Amino Acids	%DM	8.03	6.01 - 16.6
Total Amino Acids	%CP	86.53	57.4 - 94.1
Lysine	%CP	7.44	1.39 - 6.30
Methionine	%CP	2.69	1.11 - 2.59
Isoleucine	%CP	3.77	2.83 - 4.61
Leucine	%CP	8.51	4.85 - 8.16
Histidine	%CP	1.62	0.19 - 2.15
ADF	%DM	25.22	30.8 - 47.4
aNDF	%DM	39.86	45.7 - 68.2
aNDFom	%DM	38.71	41.6 - 64.5
Lignin	%NDFom	9.82	
Lignin (Sulfuric Acid)	%DM	3.80	3.67 - 7.52
NDFD12	%NDFom	38.05	19.2 - 43.2
NDFD 24	%NDFom	46.06	31.2 - 62.6
NDFD 30	%NDFom	49.24	34.6 - 65.9
NDFD 48	%NDFom	54.61	53.4 - 66.2
NDFD240	%NDFom	62.77	57.2 - 82.0
uNDFom12	%DM	23.98	28.1 - 42.8
uNDFom24	%DM	20.88	19.3 - 35.8
uNDFom30	%DM	19.65	18.0 - 35.5
uNDFom48	%DM	17.57	14.9 - 22.3
uNDFom240	%DM	14.41	10.1 - 24.7
Sugar (ESC)	%DM	9.93	0.31 - 3.87
Sugar (WSC)	%DM	12.40	1.50 - 12.7
Starch	%DM	28.99	0.12 - 21.5
Fat (EE)	%DM	3.09	1.44 - 4.01
TFA (fat)	%DM	1.58	0.60 - 2.22
16:0 Palmitic	%TFA	22.15	22.0 - 39.3
18:0 Stearic	%TFA	1.27	0.78 - 8.33

18:1 Oleic	%TFA	22.15	3.65 - 21.0
18:2 Linoleic	%TFA	51.90	17.4 - 50.8
18:3 Linolenic	%TFA	0.63	0.88 - 49.6
Ash	%DM	6.47	5.63 - 17.0
Calcium	%DM	0.24	0.23 - 0.77
Phosphorus	%DM	0.22	0.17 - 0.40
Magnesium	%DM	0.15	0.14 - 0.38
Potassium	%DM	0.80	1.01 - 3.48
Sulfur	%DM	0.12	0.09 - 0.22
Chloride	%DM	0.54	0.15 - 1.48
Lactic Acid	%DM	0.61	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	0.34	0.03 - 1.51

\*Sorghum/sudan silage statistics provided for comparison.

**Calculations**

NFC	%DM	44.38		
NSC	%DM	41.39		
RFV		161.58		
RFQ		165.26		
NDF kd rate MIR_P1	%/hr	5.42		
Adjusted Crude Protein	%DM	9.28		
	<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>	
TDN	%DM	68.37	67.87	66.93
Nel 3x	Mcal/cwt	70.68	70.13	72.54
Neg	Mcal/cwt	35.46	43.03	42.00
Nem	Mcal/cwt	61.68	70.09	68.94
Milk per ton	lbs/ton			3345
Beef per ton	lbs/ton			

**ISU Beef**

TDN	%DM	58.57
Nel 3x	Mcal/cwt	
Neg	Mcal/cwt	35.63
Nem	Mcal/cwt	61.46
Milk per ton	lbs/ton	
Beef per ton	lbs/ton	191



**DAIRYLAND**  
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**Sample Date:** 2023-12-08  
**Sample No.:** 008-2312-1305960  
**Reference:** 8382

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**Description3** 12/7/2023

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

**Billing Information**

**Sampled By:** MOJO Seed Enterprise  
**Sampled For:** MOJO SEED ENTERPRISE  
**Product:** 23-006

**Reference:** 311201  
**Date:** 2023-12-08  
**Sample No.:** 008-2312-1305960

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