



**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:** 23-002

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

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

Moisture	73.47%		
Dry Matter	26.53%		
pH	3.63		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	10.61	5.06 - 16.0
AD-ICP	%CP	6.70	5.48 - 18.3
ND-ICP w/SS	%CP	10.27	
Protein Sol.	%CP	61.92	21.4 - 61.0
Ammonia-CP	%CP	18.76	1.23 - 25.0
Total Amino Acids	%DM	8.40	6.01 - 16.6
Total Amino Acids	%CP	79.17	57.4 - 94.1
Lysine	%CP	5.09	1.39 - 6.30
Methionine	%CP	2.17	1.11 - 2.59
Isoleucine	%CP	4.15	2.83 - 4.61
Leucine	%CP	7.92	4.85 - 8.16
Histidine	%CP	1.51	0.19 - 2.15
ADF	%DM	29.97	30.8 - 47.4
aNDF	%DM	46.85	45.7 - 68.2
aNDFom	%DM	44.03	41.6 - 64.5
Lignin	%NDFom	8.90	
Lignin (Sulfuric Acid)	%DM	3.92	3.67 - 7.52
NDFD12	%NDFom	40.90	19.2 - 43.2
NDFD 24	%NDFom	52.19	31.2 - 62.6
NDFD 30	%NDFom	55.87	34.6 - 65.9
NDFD 48	%NDFom	62.12	53.4 - 66.2
NDFD240	%NDFom	71.79	57.2 - 82.0
uNDFom12	%DM	26.02	28.1 - 42.8
uNDFom24	%DM	21.05	19.3 - 35.8
uNDFom30	%DM	19.43	18.0 - 35.5
uNDFom48	%DM	16.68	14.9 - 22.3
uNDFom240	%DM	12.42	10.1 - 24.7
Sugar (ESC)	%DM	1.54	0.31 - 3.87
Sugar (WSC)	%DM	3.28	1.50 - 12.7
Starch	%DM	17.18	0.12 - 21.5
Fat (EE)	%DM	4.98	1.44 - 4.01
TFA (fat)	%DM	1.61	0.60 - 2.22
16:0 Palmitic	%TFA	22.98	22.0 - 39.3
18:0 Stearic	%TFA	0.62	0.78 - 8.33

18:1 Oleic	%TFA	14.91	3.65 - 21.0
18:2 Linoleic	%TFA	40.37	17.4 - 50.8
18:3 Linolenic	%TFA	19.25	0.88 - 49.6
Ash	%DM	8.13	5.63 - 17.0
Calcium	%DM	0.35	0.23 - 0.77
Phosphorus	%DM	0.25	0.17 - 0.40
Magnesium	%DM	0.20	0.14 - 0.38
Potassium	%DM	1.34	1.01 - 3.48
Sulfur	%DM	0.13	0.09 - 0.22
Chloride	%DM	0.57	0.15 - 1.48
Lactic Acid	%DM	6.27	1.05 - 7.44
Acetic Acid	%DM	1.64	0.12 - 2.52
Propionic Acid	%DM	<0.01	0.06 - 0.47
Butyric Acid	%DM	0.67	0.03 - 1.51

\*Sorghum/sudan silage statistics provided for comparison.

**Calculations**

NFC	%DM	35.71	
NSC	%DM	20.46	
RFV		130.08	
RFQ		144.31	
NDF kd rate MIR_P1	%/hr	5.31	
Adjusted Crude Protein	%DM	10.61	
		<b>ADF</b>	<b>OARDC</b>
TDN	%DM	66.90	64.63
Nel 3x	Mcal/cwt	69.05	66.52
Neg	Mcal/cwt	32.95	39.62
Nem	Mcal/cwt	58.92	66.29
Milk per ton	lbs/ton		3116
Beef per ton	lbs/ton		

**ISU Beef**

TDN	%DM	61.31
Nel 3x	Mcal/cwt	
Neg	Mcal/cwt	39.05
Nem	Mcal/cwt	65.25
Milk per ton	lbs/ton	
Beef per ton	lbs/ton	216



**DAIRYLAND**  
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**Sample Date:** 2023-12-08  
**Sample No.:** 008-2312-1305956  
**Reference:** 8378

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**Feed Type:** Small Grain Silage  
**Sub Type:** Sorghum/sudan

**Billing Information**

**Sampled By:** MOJO Seed Enterprise  
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**Product:** 23-002

**Reference:** 311197  
**Date:** 2023-12-08  
**Sample No.:** 008-2312-1305956

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