



Dairyland Laboratories  
 217 E. Main Street  
 Arcadia, WI 54612  
**Telephone:** 608-323-2123  
**Fax:** 608-323-2184  
**Email:** info@dairylandlabs.com

**Sample Date:** 2023-12-08  
**Sample No.:** 008-2312-1305957  
**Reference:** 8379

**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:** 23-003

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

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

Moisture	63.60%		
Dry Matter	36.40%		
pH	4.32		
		<b>Dry Basis</b>	<b>90% Range*</b>
Crude Protein	%DM	9.45	5.06 - 16.0
AD-ICP	%CP	9.42	5.48 - 18.3
ND-ICP w/SS	%CP	13.33	
Protein Sol.	%CP	47.83	21.4 - 61.0
Ammonia-CP	%CP	23.17	1.23 - 25.0
Total Amino Acids	%DM	6.61	6.01 - 16.6
Total Amino Acids	%CP	69.95	57.4 - 94.1
Lysine	%CP	4.97	1.39 - 6.30
Methionine	%CP	2.12	1.11 - 2.59
Isoleucine	%CP	3.60	2.83 - 4.61
Leucine	%CP	7.09	4.85 - 8.16
Histidine	%CP	0.95	0.19 - 2.15
ADF	%DM	31.71	30.8 - 47.4
aNDF	%DM	46.36	45.7 - 68.2
aNDFom	%DM	42.19	41.6 - 64.5
Lignin	%NDFom	10.24	
Lignin (Sulfuric Acid)	%DM	4.32	3.67 - 7.52
NDFD12	%NDFom	37.19	19.2 - 43.2
NDFD 24	%NDFom	48.23	31.2 - 62.6
NDFD 30	%NDFom	52.07	34.6 - 65.9
NDFD 48	%NDFom	58.64	53.4 - 66.2
NDFD240	%NDFom	68.38	57.2 - 82.0
uNDFom12	%DM	26.50	28.1 - 42.8
uNDFom24	%DM	21.84	19.3 - 35.8
uNDFom30	%DM	20.22	18.0 - 35.5
uNDFom48	%DM	17.45	14.9 - 22.3
uNDFom240	%DM	13.34	10.1 - 24.7
Sugar (ESC)	%DM	3.47	0.31 - 3.87
Sugar (WSC)	%DM	5.41	1.50 - 12.7
Starch	%DM	23.63	0.12 - 21.5
Fat (EE)	%DM	4.07	1.44 - 4.01
TFA (fat)	%DM	1.38	0.60 - 2.22
16:0 Palmitic	%TFA	23.19	22.0 - 39.3
18:0 Stearic	%TFA	0.72	0.78 - 8.33

18:1 Oleic	%TFA	21.01	3.65 - 21.0
18:2 Linoleic	%TFA	50.72	17.4 - 50.8
18:3 Linolenic	%TFA	2.17	0.88 - 49.6
Ash	%DM	8.98	5.63 - 17.0
Calcium	%DM	0.26	0.23 - 0.77
Phosphorus	%DM	0.25	0.17 - 0.40
Magnesium	%DM	0.17	0.14 - 0.38
Potassium	%DM	1.17	1.01 - 3.48
Sulfur	%DM	0.11	0.09 - 0.22
Chloride	%DM	0.40	0.15 - 1.48
Lactic Acid	%DM	3.01	1.05 - 7.44
Acetic Acid	%DM	0.73	0.12 - 2.52
Propionic Acid	%DM	<0.01	0.06 - 0.47
Butyric Acid	%DM	0.51	0.03 - 1.51

\*Sorghum/sudan silage statistics provided for comparison.

**Calculations**

NFC	%DM	38.26		
NSC	%DM	29.04		
RFV		128.90		
RFQ		134.54		
NDF kd rate MIR_P1	%/hr	5.03		
Adjusted Crude Protein	%DM	9.45		
	<b>ADF</b>	<b>OARDC</b>	<b>MLK 2013</b>	
TDN	%DM	66.36	63.27	63.39
Nel 3x	Mcal/cwt	68.45	65.01	67.05
Neg	Mcal/cwt	32.84	37.30	37.60
Nem	Mcal/cwt	58.80	63.72	64.05
Milk per ton	lbs/ton			3013
Beef per ton	lbs/ton			

**ISU Beef**

TDN	%DM	57.62
Nel 3x	Mcal/cwt	
Neg	Mcal/cwt	34.49
Nem	Mcal/cwt	60.20
Milk per ton	lbs/ton	
Beef per ton	lbs/ton	182



**DAIRYLAND**  
Laboratories, Inc.

Dairyland Laboratories  
217 E. Main Street  
Arcadia, WI 54612  
**Telephone:** 608-323-2123  
**Fax:** 608-323-2184  
**Email:** info@dairylandlabs.com

**Sample Date:** 2023-12-08  
**Sample No.:** 008-2312-1305957  
**Reference:** 8379

**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:** 23-003

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

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

**Billing Information**

**Sampled By:** MOJO Seed Enterprise  
**Sampled For:** MOJO SEED ENTERPRISE  
**Product:** 23-003

**Reference:** 311198  
**Date:** 2023-12-08  
**Sample No.:** 008-2312-1305957

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