



# CUMBERLAND VALLEY ANALYTICAL SERVICES

"Laboratory services for agriculture ... from the field to the feed bunk"

**Farm:** DEER RUN RANCH  
**Desc:** SUGAR CANE WASTE  
**Submitter:** DEER RUN RANCH,  
**Account:** DEER RUN RANCH

**Copies to:**

**Lab ID:** 34710 041  
**Sampled:**  
**Arrived:** 11/22/2023  
**Completed:** 11/30/2023  
**Reported:** 11/30/2023

## SUGAR CANE WASTE

### SAMPLE INFORMATION

Lab ID: 34710 041 Series:  
Crop Year: 2023 Version: 1.0  
Cutting#:   
Feed Type: Misc-unknown

### CHEMISTRY ANALYSIS RESULTS

Moisture 25.4  
Dry Matter 74.6

| PROTEINS            | % SP | % CP | % DM |
|---------------------|------|------|------|
| Crude Protein       |      |      | 6.5  |
| Adjusted Protein    | 89.2 | 5.8  |      |
| Soluble Protein     | 11.3 | 0.7  |      |
| Ammonia (CPE)       |      |      |      |
| ADF Protein (ADICP) | 19.2 | 1.24 |      |
| NDF Protein (NDICP) | 20.3 | 1.32 |      |
| NDR Protein (NDRCP) |      |      |      |
| Rumen Degr. Protein |      |      |      |

| FIBER                      | % NDF | % DM |
|----------------------------|-------|------|
| ADF                        | 79.8  | 40.1 |
| aNDF                       |       | 50.3 |
| aNDFom                     |       |      |
| NDR (NDF w/o sulfite)      |       |      |
| Crude Fiber                |       |      |
| Lignin                     | 17.91 | 9.00 |
| NDF Digestibility (12 hr)  |       |      |
| NDF Digestibility (24 hr)  |       |      |
| NDF Digestibility (30 hr)  |       |      |
| NDF Digestibility (72 hr)  |       |      |
| NDF Digestibility (240 hr) |       |      |
| uNDF (30 hr)               |       |      |
| uNDF (240 hr)              |       |      |

| CARBOHYDRATES                   | % Starch | % NFC | % DM |
|---------------------------------|----------|-------|------|
| Silage Acids                    |          |       |      |
| Ethanol Soluble CHO (ESC-Sugar) |          | 10.8  | 3.2  |
| Water Soluble CHO (WSC-Sugar)   |          |       |      |
| Starch                          |          |       |      |
| Soluble Starch                  |          |       |      |
| Soluble Fiber                   |          |       |      |
| Starch Digestibility (7 hr)     |          |       |      |
| Crude Fat                       |          |       | 1.70 |
| Fatty Acids, Total (%DM)        |          |       |      |
| Acid Hydrolysis Fat             |          |       |      |

### MINERALS

Ash (%DM) 13.17  
Calcium (%DM) 0.17  
Phosphorus (%DM) 0.14  
Magnesium (%DM) 0.20  
Potassium (%DM) 0.38  
Sulfur (%DM)  
Sodium (%DM) 0.02  
Chloride (%DM)  
Iron (PPM) 1625.00  
Manganese (PPM) 74.00  
Zinc (PPM) 23.00  
Copper (PPM) 8.00  
Molybdenum (PPM)

### FERMENTATION

pH  
Total VFA  
Lactic Acid (%DM)  
Lactic as % of Total VFA  
Acetic Acid (%DM)  
Propionic Acid (%DM)  
Butyric Acid (%DM)  
Isobutyric Acid (%DM)  
1, 2 Propanediol (%DM)  
Nitrate Ion (%DM)  
Nitrate-Nitrogen, ppm

### ENERGY & INDEX CALCULATIONS

TDN (%DM) 49.1  
Net Energy Lactation (Mcal/lb) 0.49  
Net Energy Lactation NASEM (Mcal/lb)  
Net Energy Maintenance (Mcal/lb) 0.41  
Net Energy Gain (Mcal/lb) 0.16  
ME (Mcal/lb) 0.79  
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin\*2.4)  
NDF Dig. Rate (Kd, %HR, Van Amburgh, iNDF)  
Relative Feed Value (RFV)  
Relative Forage Quality (RFQ)  
Milk per Ton (lbs/ton)  
Dig. Organic Matter Index (lbs/ton)  
ROM (Residual Organic Matter)  
NFC (Non-Fiber Carbohydrates)(%DM) 29.7  
NSC (Non-Structural Carbohydrates) ESC (%DM)  
DCAD (meq/100gdm)

Additional sample information, submitted documents and lab pictures linked to QR code



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