



| SAMPLE INFORMATION | | | | | MINERALS | |
|---------------------------------|-----------|-----------|-------|------|--|---------------------------|
| Lab ID: | 34078 076 | Version: | 1.0 | | Ash (%DM) | 5.08 |
| Crop Year: | | Series: | | | Calcium (%DM) | 0.23 |
| Feed Type: | STRAW | Cutting#: | | | Phosphorus (%DM) | 0.10 |
| Package: | BASIC NIR | | | | Magnesium (%DM) | 0.08 |
| NIR ANALYSIS RESULTS | | | | | Potassium (%DM) | 1.45 |
| Moisture | | | | 11.2 | Sulfur (%DM) | 0.05 |
| Dry Matter | | | | 88.8 | Sodium (%DM) | |
| PROTEINS | | | | | Chloride (%DM) | |
| | % SP | % CP | % DM | | Iron (PPM) | |
| Crude Protein | | | | 2.9 | Manganese (PPM) | |
| Adjusted Protein | | 58.6 | 1.7 | | Zinc (PPM) | |
| Soluble Protein | | 61.8 | 1.8 | | Copper (PPM) | |
| Ammonia (CPE) | | | | | Molybdenum (PPM) | |
| ADF Protein (ADICP) | | 41.1 | 1.17 | | QUALITATIVE | |
| NDF Protein (NDICP) | | 46.9 | 1.33 | | pH | |
| NDR Protein (NDRCP) | | | | | Total VFA (%DM) | |
| Rumen Degr. Protein | | 80.9 | 2.3 | | Lactic Acid (%DM) | |
| Amino Acid Protein, Total | | | | | Lactic as % of Total VFA | |
| FIBER | | | | | Acetic Acid (%DM) | |
| | %NDFom | NDFom %DM | % NDF | % DM | Butyric Acid (%DM) | |
| ADF | | | 68.1 | 53.3 | 1, 2 Propanediol (%DM) | |
| aNDF | | 77.1 | | 78.3 | Nitrate Ion (%DM) | |
| NDR (NDF w/o sulfite) | | | | | Nitrate-Nitrogen, ppm | |
| Crude Fiber | | | | | | |
| Lignin | | | 10.4 | 8.11 | Soil Contamination Probability | Probable low to none |
| NDF Digestibility (12 hr) | | | | | NIR Statistical Confidence | Good prediction potential |
| NDF Digestibility (24 hr) | | | | | ENERGY & INDEX CALCULATIONS | |
| NDF Digestibility (30 hr) | 42.1 | 32.5 | 42.0 | 32.9 | TDN (%DM) | 50.0 |
| NDF Digestibility (72 hr) | | | | | Net Energy Lactation (Mcal/kg) | 1.10 |
| NDF Digestibility (120 hr) | 48.4 | 37.3 | 48.2 | 37.7 | Net Energy Maintenance (Mcal/kg) | 0.94 |
| NDF Digestibility (240 hr) | 51.0 | 39.3 | 50.7 | 39.7 | Net Energy Gain (Mcal/kg) | 0.39 |
| uNDF (12 hr) | | | | | ME (Mcal/kg) | 1.77 |
| uNDF (30 hr) | 57.9 | 44.6 | 58.0 | 45.4 | AA Protein as % of Total Protein | |
| uNDF (120 hr) | 51.7 | 39.8 | 51.8 | 40.6 | NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4) | 2.62 |
| uNDF (240 hr) | 49.1 | 37.8 | 49.3 | 38.6 | NDF Dig. Rate (Kd, %HR, uNDF) | 4.5 |
| CARBOHYDRATES | | | | | Starch Dig. Rate (Kd, %HR, Mertens) | |
| | % Starch | % NFC | % DM | | Relative Feed Value (RFV) | 56 |
| Silage Acids | | | | | Relative Forage Quality (RFQ) | 42 |
| Ethanol Soluble CHO (ESC-Sugar) | | 15.9 | 2.1 | | Milk per Ton (kg/tonne) | 901 |
| Water Soluble CHO (WSC-Sugar) | | | | | Dig. Organic Matter Index (kg/tonne) | 447 |
| Starch | | 16.1 | 2.1 | | NFC (Non-Fiber Carbohydrates)(%DM) | 12.9 |
| Soluble Starch | | | | | NSC (Non-Structural Carbohydrates) ESC (%DM) | 4.2 |
| Soluble Fiber | | 61.1 | 7.87 | | NSC (Non-Structural Carbohydrates) WSC (%DM) | |
| Starch Dig. (7 hr, 4 mm) | | | | | DCAD (meq/100gdm) | |
| Crude Fat | | | | 2.02 | Summative Index % (Mass Balance) | |
| Fatty Acids, Total | | | | 0.22 | | |
| C16:0 | | | | 0.12 | | |
| C18:0 | | | | 0.02 | | |
| C18:1 | | | | 0.03 | | |
| C18:2 | | | | 0.03 | | |
| C18:3 | | | | 0.03 | | |
| Unsaturated Fatty Acids (RUFAL) | | | | 0.09 | | |
| Fatty Acids (%Fat) | | | | 10.9 | | |

Values in bold were analyzed by wet chemistry methods.

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

