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Sample Date: 2024-01-22  
Sample No.: 003-2401-1345959

To: Steffes Auctioneers  
24400 MN Hwy 22 South  
Litchfield, MN 55355

Account No.: 953 (0)  
Sampled By: Steffes Auctioneers  
Sampled For: STEFFES AUCTION

Product: 3837

Test Mode: N8  
Feed Type: Hay - Mixed  
Sub Type: Mixed

|                        |        |                  |                   |
|------------------------|--------|------------------|-------------------|
| Moisture               | 17.01% |                  |                   |
| Dry Matter             | 82.99% |                  |                   |
|                        |        | <b>Dry Basis</b> | <b>90% Range*</b> |
| Crude Protein          | %DM    | 14.92            | 13.7 - 23.9       |
| AD-ICP                 | %DM    | 1.81             | 1.06 - 2.09       |
| ND-ICP w/SS            | %DM    | 5.47             | 1.47 - 4.24       |
| Protein Sol.           | %CP    | 30.70            | 26.1 - 46.1       |
| ADF                    | %DM    | 38.81            | 25.8 - 41.6       |
| aNDF                   | %DM    | 57.35            | 32.3 - 55.6       |
| aNDFom                 | %DM    | 54.55            | 29.9 - 53.5       |
| Lignin (Sulfuric Acid) | %DM    | 6.17             | 5.44 - 9.38       |
| Lignin                 | %NDFom | 11.31            |                   |
| NDFD 30                | %NDFom | 52.17            | 32.1 - 54.7       |
| NDFD240                | %NDFom | 65.35            | 43.0 - 70.7       |
| uNDFom30               | %DM    | 26.09            | 16.4 - 29.7       |
| uNDFom240              | %DM    | 18.90            | 12.2 - 28.8       |
| Starch                 | %DM    | 0.25             | 0.29 - 3.75       |
| Fat (EE)               | %DM    | 3.23             | 1.88 - 3.44       |
| TFA (fat)              | %DM    | 1.24             | 0.87 - 2.47       |
| Ash                    | %DM    | 11.27            | 8.88 - 13.8       |
| Calcium                | %DM    | 1.26             | 0.93 - 1.81       |
| Phosphorus             | %DM    | 0.26             | 0.24 - 0.39       |
| Magnesium              | %DM    | 0.38             | 0.23 - 0.40       |
| Potassium              | %DM    | 1.36             | 1.76 - 3.37       |
| Sulfur                 | %DM    | 0.19             | 0.16 - 0.33       |
| Chloride               | %DM    | 0.40             | 0.13 - 1.12       |
| Sugar (ESC)            | %DM    | 5.93             | 3.04 - 9.57       |
| Sugar (WSC)            | %DM    | 7.60             | 3.67 - 10.5       |

\*Mixed hay statistics provided for comparison.

|                    |          |            |              |                 |
|--------------------|----------|------------|--------------|-----------------|
| NDF kd rate MIR_P1 | %/hr     | 5.43       |              |                 |
|                    |          | <b>ADF</b> | <b>OARDC</b> | <b>MLK 2013</b> |
| TDN                | %DM      | 58.67      | 54.75        | 57.11           |
| Nel 3x             | Mcal/cwt | 59.96      | 55.52        | 55.93           |
| Neg                | Mcal/cwt | 25.81      | 28.06        | 31.64           |
| Nem                | Mcal/cwt | 51.14      | 53.58        | 57.49           |
| Milk per ton       | lbs/ton  |            |              | 2415            |

#### Calculations

|                        |      |        |
|------------------------|------|--------|
| Adjusted Crude Protein | %DM  | 14.41  |
| NFC                    | %DM  | 22.49  |
| NSC                    | %DM  | 7.85   |
| RFV                    |      | 95.05  |
| RFQ                    |      | 104.15 |
| NDF kd rate Van Amb    | %/hr | 3.65   |