



Dairyland Laboratories  
919 Lincoln Ave.  
Sauk Rapids, MN 56379  
Telephone: 320-240-1737  
Fax: 320-240-1838  
Email: info@dairylandlabs.com

Sample Date: 2024-09-10  
Sample No.: 003-2409-1601677

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

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

Product: 4650  
Lot Name:

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

|                        |        |                  |                   |
|------------------------|--------|------------------|-------------------|
| Moisture               | 12.69% |                  |                   |
| Dry Matter             | 87.31% |                  |                   |
|                        |        | <b>Dry Basis</b> | <b>90% Range*</b> |
| Crude Protein          | %DM    | 10.77            | 4.95 - 16.5       |
| AD-ICP                 | %DM    | 1.20             | 0.62 - 1.79       |
| ND-ICP w/SS            | %DM    | 3.74             | 1.29 - 4.68       |
| Protein Sol.           | %CP    | 24.51            | 8.61 - 48.9       |
| ADF                    | %DM    | 40.36            | 31.8 - 50.2       |
| aNDF                   | %DM    | 61.55            | 53.7 - 70.7       |
| aNDFom                 | %DM    | 59.95            | 51.3 - 67.4       |
| Lignin (Sulfuric Acid) | %DM    | 6.22             | 3.94 - 9.40       |
| Lignin                 | %NDFom | 10.38            |                   |
| NDFD 30                | %NDFom | 38.63            | 39.8 - 61.4       |
| NDFD240                | %NDFom | 59.80            | 59.9 - 76.4       |
| uNDFom30               | %DM    | 36.79            | 21.6 - 39.3       |
| uNDFom240              | %DM    | 24.10            | 13.3 - 26.0       |
| Starch                 | %DM    | 2.43             | 0.25 - 7.32       |
| Fat (EE)               | %DM    | 2.48             | 1.58 - 3.71       |
| TFA (fat)              | %DM    | 1.01             | 0.49 - 2.17       |
| Ash                    | %DM    | 7.90             | 6.12 - 13.0       |
| Calcium                | %DM    | 0.54             | 0.25 - 1.15       |
| Phosphorus             | %DM    | 0.22             | 0.11 - 0.35       |
| Magnesium              | %DM    | 0.22             | 0.12 - 0.33       |
| Potassium              | %DM    | 1.74             | 0.69 - 3.03       |
| Sulfur                 | %DM    | 0.19             | 0.07 - 0.25       |
| Chloride               | %DM    | 0.47             | 0.07 - 0.89       |
| Sugar (ESC)            | %DM    | 7.81             | 2.16 - 10.4       |
| Sugar (WSC)            | %DM    | 9.63             | 3.29 - 12.9       |

\*Mixed grass hay statistics provided for comparison.

|                    |          |            |              |                 |
|--------------------|----------|------------|--------------|-----------------|
| NDF kd rate MIR_P1 | %/hr     | 3.52       |              |                 |
|                    |          | <b>ADF</b> | <b>OARDC</b> | <b>MLK 2013</b> |
| TDN                |          | 57.46      | 56.13        | 48.01           |
| Nel 3x             | Mcal/cwt | 58.61      | 57.05        | 58.14           |
| Neg                | Mcal/cwt | 26.36      | 28.33        | 17.32           |
| Nem                | Mcal/cwt | 51.73      | 53.88        | 42.01           |
| Milk per ton       | lbs/ton  |            |              | 2333            |

#### Calculations

|                        |      |        |
|------------------------|------|--------|
| Adjusted Crude Protein | %DM  | 10.57  |
| NFC                    | %DM  | 23.11  |
| NSC                    | %DM  | 12.06  |
| RFV                    |      | 86.86  |
| RFQ                    |      | 102.74 |
| NDF kd rate Van Amb    | %/hr | 2.25   |