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### Basic NIR

Client: Andrew's Hay  
 Description: Orchard Grews 4 W 2nd  
 Feed Type: Grass Hay  
 Sample #: 175678

Date Tested 6/13/2023  
 Reported 6/13/2023  
 Sampled 6/8/2023

| Nutrient                     | Dry Basis |                |
|------------------------------|-----------|----------------|
| Moisture                     | 14.31     | %              |
| Dry_Matter                   | 85.69     | %              |
| <b>Protein</b>               |           |                |
| CP                           | 10.96     | %DM            |
| AD-ICP                       | 3.56      | %CP            |
| ND-ICP w/SS                  | 14.05     | %CP            |
| Protein Sol                  | 43.52     | %CP            |
| <b>Fiber</b>                 |           |                |
| ADF                          | 32.89     | %DM            |
| aNDF                         | 53.30     | %DM            |
| aNDFom                       | 51.17     | %DM            |
| Lignin (Sulfuric Acid)       | 3.01      | %DM            |
| <b>Carbohydrates and Fat</b> |           |                |
| ESC(Sugar)                   | 17.52     | %DM            |
| WSC(Sugar)                   | 18.69     | %DM            |
| Starch                       | 2.39      | %DM            |
| Crude Fat (EE)               | 3.72      | %DM            |
| <b>Minerals</b>              |           |                |
| Ash                          | 7.91      | %DM            |
| Calcium                      | 0.24      | %DM            |
| Phosphorus                   | 0.38      | %DM            |
| Magnesium                    | 0.16      | %DM            |
| Potassium                    | 3.00      | %DM            |
| Sulfur                       | 0.15      | %DM            |
| <b>Qualitative</b>           |           |                |
| <b>Calculations</b>          |           |                |
| NFC                          | 28.80     | %DM            |
| NSC                          | 21.08     | %DM            |
| RFV                          | 110.37    |                |
| Adj Crude Protein            | 10.96     | %DM            |
| TDN_OARDC                    | 65.00     | %DM            |
| NEL3x_OARDC                  | 0.67      | Mcal/lb        |
| NEG_OARDC                    | 0.40      | Mcal/lb        |
| NEM_OARDC                    | 0.67      | Mcal/lb        |
| California_TDN_90%dry        | 51.90     | Hay equiv, %DM |

NIR Prediction Equations provided by Dairyland Laboratories, Inc.  
 Values in bold were measured by Wet Chemistry Methods.