

Account No. : 79680

NIR Analysis Report

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Invoice No. : 1448234  
Date Received : 06/12/2025  
Date Reported : 06/16/2025  
Lab Number : 3026

Results For : J SMITH  
Sample ID : NEW SEEDING 1ST  
Description : ALFALFA

|   | Analysis<br>As Received | Analysis<br>Dry Basis |
|---|-------------------------|-----------------------|
| Moisture, %                                   | 11.69                   | 0.00                  |
| Dry Matter, %                                 | 88.31                   | 100.00                |
| <b>PROTEIN</b>                                |                         |                       |
| Crude Protein, %                              | 15.6                    | 17.6                  |
| <b>FIBERS</b>                                 |                         |                       |
| Acid Detergent Fiber, %                       | 25.1                    | 28.5                  |
| Neutral Detergent Fiber, %                    | 30.5                    | 34.5                  |
| NDFD (digestibility) 48 hr, % of NDF          |                         | 49                    |
| IVTDMD (in vitro true digestibility) 48 hr, % | 73.0                    | 82.6                  |
| <b>ENERGIES</b>                               |                         |                       |
| TDN Est., %                                   | 53.5                    | 60.6                  |
| Net Energy Lact, MCal/lb                      | 0.5468                  | 0.6192                |
| Net Energy Maint, MCal/lb                     | 0.5311                  | 0.6015                |
| Net Energy Gain, MCal/lb                      | 0.3008                  | 0.3406                |
| <b>QUALITY VALUE</b>                          |                         |                       |
| Relative Feed Value                           |                         | 180                   |
| Relative Forage Quality                       |                         | 177                   |
| <b>MINERALS</b>                               |                         |                       |
| Calcium, % Ca                                 | 1.39                    | 1.57                  |
| Phosphorus, % P                               | 0.23                    | 0.26                  |
| Potassium, % K                                | 2.43                    | 2.75                  |
| Magnesium, % Mg                               | 0.23                    | 0.26                  |
| Ash, %  | 10.93                   | 12.38                 |
| <b>OTHER ANALYSIS</b>                         |                         |                       |
| Fat, %  | 2.1                     | 2.4                   |
| Starch, %                                     | 3.2                     | 3.6                   |
| Lignin, %                                     | 4.91                    | 5.56                  |
| Non Fiber Carbohydrates, %                    | 29.2                    | 33.1                  |
| Ethanol-Soluble Carbohydrates, %              | 7.7                     | 8.7                   |
| Water-Soluble Carbohydrates, %                | 9.6                     | 10.9                  |