

Account No. : 79680

NIR Analysis Report

SMITH, JASON
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Invoice No. : 1448234
Date Received : 06/12/2025
Date Reported : 06/16/2025
Lab Number : 3028

Results For : J SMITH
Sample ID : CELL TOWER 1ST
Description : ALFALFA

| | Analysis As Received | Analysis Dry Basis |
|---|-------------------------|-----------------------|
| Moisture, % | 11.50 | 0.00 |
| Dry Matter, % | 88.50 | 100.00 |
| PROTEIN | | |
| Crude Protein, % | 14.6 | 16.5 |
| FIBERS | | |
| Acid Detergent Fiber, % | 26.7 | 30.2 |
| Neutral Detergent Fiber, % | 33.2 | 37.5 |
| NDFD (digestibility) 48 hr, % of NDF | | 47 |
| IVTDMD (in vitro true digestibility) 48 hr, % | 72.0 | 81.4 |
| ENERGIES | | |
| TDN Est., % | 53.3 | 60.2 |
| Net Energy Lact, MCal/lb | 0.5439 | 0.6145 |
| Net Energy Maint, MCal/lb | 0.5267 | 0.5952 |
| Net Energy Gain, MCal/lb | 0.2964 | 0.3349 |
| QUALITY VALUE | | |
| Relative Feed Value | | 162 |
| Relative Forage Quality | | 159 |
| MINERALS | | |
| Calcium, % Ca | 1.48 | 1.67 |
| Phosphorus, % P | 0.24 | 0.27 |
| Potassium, % K | 2.12 | 2.39 |
| Magnesium, % Mg | 0.27 | 0.31 |
| Ash, % | 9.35 | 10.56 |
| OTHER ANALYSIS | | |
| Fat, % | 2.2 | 2.5 |
| Starch, % | 2.8 | 3.2 |
| Lignin, % | 5.42 | 6.12 |
| Non Fiber Carbohydrates, % | 29.2 | 33.0 |
| Ethanol-Soluble Carbohydrates, % | 7.1 | 8.1 |
| Water-Soluble Carbohydrates, % | 9.5 | 10.7 |

Reviewed By : Rebecca Kern

6/16/2025

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