

Account No. : 31490

### NIR Analysis Report

**LEACH, KYLE**  
24 AVE 220  
ARNOLD

NE 69120

Invoice No. : 1437966  
Date Received : 12/16/2024  
Date Reported : 12/18/2024

Lab Number : 369

#1

Results For : KYLE LEACH

Sample ID : 2023

Description : SORGHUM SUDAN

|                                               | Analysis<br>As Received | Analysis<br>Dry Basis |
|-----------------------------------------------|-------------------------|-----------------------|
| Moisture, %                                   | 12.08                   | 0.00                  |
| Dry Matter, %                                 | 87.92                   | 100.00                |
| <b>PROTEIN</b>                                |                         |                       |
| Crude Protein, %                              | 6.1                     | 6.9                   |
| <b>FIBERS</b>                                 |                         |                       |
| Acid Detergent Fiber, %                       | 42.5                    | 48.4                  |
| Neutral Detergent Fiber, %                    | 61.0                    | 69.3                  |
| NDFD (digestibility) 48 hr, % of NDF          |                         | 53                    |
| IVTDMD (in vitro true digestibility) 48 hr, % | 57.1                    | 64.9                  |
| <b>ENERGIES</b>                               |                         |                       |
| TDN Est., %                                   | 40.4                    | 46.0                  |
| Net Energy Lact, MCal/lb                      | 0.4013                  | 0.4564                |
| Net Energy Maint, MCal/lb                     | 0.3273                  | 0.3722                |
| Net Energy Gain, MCal/lb                      | 0.1126                  | 0.1280                |
| <b>QUALITY VALUE</b>                          |                         |                       |
| Relative Feed Value                           |                         | 69                    |
| Relative Forage Quality                       |                         | 61                    |
| <b>MINERALS</b>                               |                         |                       |
| Calcium, % Ca                                 | 0.28                    | 0.32                  |
| Phosphorus, % P                               | 0.17                    | 0.19                  |
| Potassium, % K                                | 1.88                    | 2.14                  |
| Magnesium, % Mg                               | 0.14                    | 0.16                  |
| Ash, %                                        | 8.65                    | 9.84                  |
| <b>OTHER ANALYSIS</b>                         |                         |                       |
| *Nitrate, ppm NO <sub>3</sub> -N              |                         | 160                   |
| Safety Level                                  | Safe                    |                       |
| Fat, %                                        | 0.8                     | 0.9                   |
| Starch, %                                     | 6.6                     | 7.5                   |
| Lignin, %                                     | 4.28                    | 4.87                  |
| Non Fiber Carbohydrates, %                    | 11.5                    | 13.0                  |
| Ethanol-Soluble Carbohydrates, %              | 3.5                     | 4.0                   |

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Reviewed By : Rebecca Kern

12/26/2024

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