

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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