

Account No. : 79680

NIR Analysis Report

SMITH, JASON
1151 170TH ST
SAINT ANTHONY IA 50239

Invoice No. : 1447394
Date Received : 05/28/2025
Date Reported : 05/30/2025

Lab Number : 2814

Results For : J SMITH
Sample ID : 1
Description : ALFALFA

	Analysis As Received	Analysis Dry Basis
Moisture, %	12.79	0.00
Dry Matter, %	87.21	100.00
PROTEIN		
Crude Protein, %	15.0	17.2
FIBERS		
Acid Detergent Fiber, %	23.9	27.5
Neutral Detergent Fiber, %	29.9	34.3
NDFD (digestibility) 48 hr, % of NDF		53
IVTDMD (in vitro true digestibility) 48 hr, %	74.3	85.2
ENERGIES		
TDN Est., %	55.8	64.0
Net Energy Lact, MCal/lb	0.5727	0.6566
Net Energy Maint, MCal/lb	0.5682	0.6515
Net Energy Gain, MCal/lb	0.3366	0.3860
QUALITY VALUE		
Relative Feed Value		183
Relative Forage Quality		194
MINERALS		
Calcium, % Ca	1.32	1.51
Phosphorus, % P	0.22	0.25
Potassium, % K	2.03	2.33
Magnesium, % Mg	0.27	0.31
Ash, %	9.08	10.41
OTHER ANALYSIS		
Fat, %	2.1	2.4
Starch, %	2.1	2.5
Lignin, %	4.58	5.25
Non Fiber Carbohydrates, %	31.2	35.7
Ethanol-Soluble Carbohydrates, %	7.5	8.6
Water-Soluble Carbohydrates, %	9.8	11.2