

NIR Analysis Report



Account ID: 79680

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Report Type: NIR
Invoice Number: 1514359
Date Received: 12/22/2025
Date Reported: 12/29/2025
Lab ID: 14600

Results For: JASON SMITH

Sample ID: 1

Description: 3rd ALF Clark

Analysis	As Received	Dry Basis
Moisture, %	12.07	0.00
Dry Matter, %	87.93	100.00
PROTEIN		
Crude Protein, %	15.7	17.9
Heat Damaged Protein (ADICP), % CP	0.8	0.9
Available Protein, %	15.7	17.9
CARBOHYDRATES		
Acid Detergent Fiber, %	25.5	29.0
Neutral Detergent Fiber, %	33.4	38.0
Lignin, %	4.97	5.65
IVTDM 48 hr (in vitro true digestibility), %	69.6	79.2
NDFD 48 hr (digestibility), % of NDF	--	52
Starch, %	2.3	2.7
Non-Structural Carbohydrates, %	--	9.46
Non Fiber Carbohydrates, %	27.4	31.2
Water-Soluble Carbohydrates, %	8.2	9.4
Ethanol-Soluble Carbohydrates, %	6.0	6.8
OTHER ANALYSIS		
Fat, %	1.8	2.0
Ash, %	9.57	10.88

Analysis	As Received	Dry Basis
MICRONUTRIENTS		
Calcium, % Ca	1.07	1.22
Phosphorus, % P	0.21	0.24
Potassium, % K	1.71	1.95
Magnesium, % Mg	0.24	0.27
CALCULATED VALUES		
TDN Est., %	53.6	61.0
Net Energy Maint, MCal/lb	0.5341	0.6074
Net Energy Gain, MCal/lb	0.3042	0.3460
Net Energy Lact, MCal/lb	0.5483	0.6236
Relative Feed Value	--	162 Good
Relative Forage Quality (RFQ)	--	167 Premium