



Farm: UBM FEED
Desc: RETI SZENA 1. KASZALAS
Submitter: HOBOR SZANTO, JUDIT
Account: UBM FEED ZRT.

Copies to:

Lab ID: 37080 268
Sampled: 07/26/2025
Arrived: 07/28/2025
Completed: 07/28/2025
Reported: 07/28/2025

RETI SZENA 1. KASZALAS

SAMPLE INFORMATION

Lab ID:	37080 268	Version:	1.0
Crop Year:	2025	Series:	
Feed Type:	GRASS FORAGE	Cutting#:	
Package:	BASIC NIR		

NIR ANALYSIS RESULTS

Moisture	9.9
Dry Matter	90.1

PROTEINS

	% SP	% CP	% DM
Crude Protein			8.9
Adjusted Protein			8.9
Soluble Protein		45.3	4.0
Ammonia (CPE)	32.4	14.7	1.30
ADF Protein (ADICP)		11.0	0.97
NDF Protein (NDICP)		27.9	2.47
NDR Protein (NDRCP)			
Rumen Degr. Protein		72.7	6.4
Amino Acid Protein, Total			

FIBER

	% NDF	% DM
ADF	82.1	43.7
aNDF		53.2
aNDFom		51.8
NDR (NDF w/o sulfite)		
Crude Fiber		
Lignin	14.0	7.44
NDF Digestibility (12 hr)		
NDF Digestibility (24 hr)		
NDF Digestibility (30 hr)		
NDF Digestibility (72 hr)		
NDF Digestibility (120 hr)		
NDF Digestibility (240 hr)		
uNDF (12 hr)		
uNDF (30 hr)		
uNDF (120 hr)		
uNDF (240 hr)		

CARBOHYDRATES

	% Starch	% NFC	% DM
Ethanol Soluble CHO (ESC-Sugar)		27.6	9.1
Water Soluble CHO (WSC-Sugar)			14.9
Starch	11.4		3.8
Soluble Starch			
Soluble Fiber			
Starch Dig. (7 hr, 4 mm)			
Crude Fat			1.28
Fatty Acids, Total			
C16:0			
C18:0			
C18:1			
C18:2			
C18:3			
Unsaturated Fatty Acids (RUFAL)			
Fatty Acids (%Fat)			

MINERALS

Ash (%DM)	6.07
Calcium (%DM)	0.37
Phosphorus (%DM)	0.15
Magnesium (%DM)	0.09
Potassium (%DM)	0.79
Sulfur (%DM)	0.12
Sodium (%DM)	
Chloride (%DM)	
Iron (PPM)	
Manganese (PPM)	
Zinc (PPM)	
Copper (PPM)	
Molybdenum (PPM)	

QUALITATIVE

pH	
Total VFA (%DM)	
Lactic Acid (%DM)	
Lactic as % of Total VFA	
Acetic Acid (%DM)	
Butyric Acid (%DM)	
1, 2 Propanediol (%DM)	
Nitrate Ion (%DM)	
Nitrate-Nitrogen, ppm	
Soil Contamination Probability	
NIR Statistical Confidence	

ENERGY & INDEX CALCULATIONS

TDN (%DM)	57.2
Net Energy Lactation (mj/kg)	5.36
Net Energy Maintenance (mj/kg)	5.20
Net Energy Gain (mj/kg)	2.83
ME (mj/kg)	8.78
AA Protein as % of Total Protein	
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)	
NDF Dig. Rate (Kd, %HR, uNDF)	4.3
Starch Dig. Rate (Kd, %HR, Mertens)	
Relative Feed Value (RFV)	96
Relative Forage Quality (RFQ)	
Milk per Ton (kg/tonne)	1263
Beef per Ton (kg/tonne)	
Dig. Organic Matter Index (kg/tonne)	
NFC (Non-Fiber Carbohydrates)(%DM)	33.0
NSC (Non-Structural Carbohydrates) ESC (%DM)	12.9
NSC (Non-Structural Carbohydrates) WSC (%DM)	18.7
DCAD (meq/100gdm)	
Summative Index % (Mass Balance)	

Additional sample information, submitted documents and lab pictures linked to QR code



Values in bold were analyzed by wet chemistry methods.

