



# FORAGE LAB AUSTRALIA

An Affiliate of Cumberland Valley Analytical Services USA

**Farm:** LIMERICK FARMS  
**Desc:** TRISKIE PDK  
**Submitter:** FORAGE LAB AUSTRALIA, .  
**Account:** ACE LABORATORY SERVICES

**Copies to:**

**Lab ID:** 29751 094  
**Sampled:** 12/19/2020  
**Arrived:** 12/21/2020  
**Completed:** 12/22/2020  
**Reported:** 12/22/2020

## TRISKIE PDK

### SAMPLE INFORMATION

Lab ID: 29751 094      Version: 1.0  
Crop Year:                      Series:  
Feed Type: MIXED FORAGE      Cutting#:  
Package: BASIC NIR

### NIR ANALYSIS RESULTS

Moisture 9.4  
Dry Matter 90.6

### PROTEINS

	% SP	% CP	% DM
Crude Protein			9.8
Adjusted Protein		98.1	9.6
Soluble Protein		40.7	4.0
Ammonia (CPE)	2.3	0.9	0.09
ADF Protein (ADICP)		11.9	1.17
NDF Protein (NDICP)		29.0	2.84
NDR Protein (NDRCP)			
Rumen Degr. Protein		70.4	6.9
Amino Acid Protein, Total			

### FIBER

	% NDF	% DM
ADF	63.1	38.3
aNDF		60.7
aNDFom		59.8
NDR (NDF w/o sulfite)		
Crude Fiber		
Lignin	7.76	4.71
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)		41.1	9.4
Water Soluble CHO (WSC-Sugar)			15.9
Starch	6.7		1.5
Soluble Starch			
Soluble Fiber			
Starch Dig. (7 hr, 4 mm)			
Crude Fat			1.72
Fatty Acids, Total			
C16:0			
C18:0			
C18:1			
C18:2			
C18:3			
Unsaturated Fatty Acids (RUFAL)			
Fatty Acids (%Fat)			

### MINERALS

Ash (%DM)	7.69
Calcium (%DM)	0.44
Phosphorus (%DM)	0.19
Magnesium (%DM)	0.20
Potassium (%DM)	1.78
Sulfur (%DM)	
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  
Nitrate Probability  
NIR Statistical Confidence

### ENERGY & INDEX CALCULATIONS

Equine TDN (%DM)	45.8
Equine DE (mcg/lb)	0.92
Net Energy Lactation (mj/kg)	5.44
Net Energy Maintenance (mj/kg)	5.33
Net Energy Gain (mj/kg)	2.95
ME (mj/kg)	8.92
AA Protein as % of Total Protein	
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)	
NDF Dig. Rate (Kd, %HR, uNDF)	5.8
Starch Dig. Rate (Kd, %HR, Mertens)	
Relative Feed Value (RFV)	91
Relative Forage Quality (RFQ)	
Milk per Ton (kg/tonne)	1237
Dig. Organic Matter Index (kg/tonne)	
Non Fiber Carbohydrates (%DM)	22.9
Non Structural Carbohydrates (%DM)	17.4
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.

