


SAMPLE INFORMATION

Lab ID: Version: 1.0
Crop Year: Series:
Feed Type: BREWERS GRAINS Cutting#:
Package: BASIC NIR

NIR ANALYSIS RESULTS

Moisture 68.1
Dry Matter 31.9

PROTEINS % SP % CP % DM

Crude Protein 26.8
Adjusted Protein
Soluble Protein
Ammonia (CPE)
ADF Protein (ADICP)
NDF Protein (NDICP)
NDR Protein (NDRCP)
Rumen Degr. Protein
Amino Acid Protein, Total

FIBER % NDF % DM

ADF 43.2 23.9
aNDF 55.4
aNDFom
NDR (NDF w/o sulfite)
Crude Fiber
Lignin 6.65 3.68
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)
Water Soluble CHO (WSC-Sugar) 0.0
Starch
Soluble Starch
Soluble Fiber
Starch Dig. (7 hr, 4 mm)
Crude Fat 8.65
Fatty Acids, Total
C16:0
C18:0
C18:1
C18:2
C18:3
Unsaturated Fatty Acids (RUFAL)
Fatty Acids (%Fat)

MINERALS

Ash (%DM) 4.75
Calcium (%DM)
Phosphorus (%DM)
Magnesium (%DM)
Potassium (%DM)
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
NIR Statistical Confidence

ENERGY & INDEX CALCULATIONS

TDN (%DM) 74.9
Net Energy Lactation (Mcal/kg) 1.71
Net Energy Maintenance (Mcal/kg) 1.94
Net Energy Gain (Mcal/kg) 1.29
ME (Mcal/kg) 2.88
AA Protein as % of Total Protein
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)
NDF Dig. Rate (Kd, %HR, uNDF)
Starch Dig. Rate (Kd, %HR, Mertens)
Relative Feed Value (RFV)
Relative Forage Quality (RFQ)
Milk per Ton (kg/tonne)
Beef per Ton (kg/tonne)
Dig. Organic Matter Index (kg/tonne)
NFC (Non-Fiber Carbohydrates)(%DM) 4.5
NSC (Non-Structural Carbohydrates) ESC (%DM)
NSC (Non-Structural Carbohydrates) WSC (%DM)
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.

