



FORAGE LAB AUSTRALIA

An Affiliate of Cumberland Valley Analytical Services USA

Farm: MULTICUBE STOCKFEEDS
Desc: BATCH CPP2025-185
Submitter: FORAGE LAB AUSTRALIA, .
Account: FORAGE LAB AUSTRALIA

Sampled: 11/27/2025
Arrived: 11/30/2025
Completed: 12/01/2025
Reported: 12/01/2025

SAMPLE INFORMATION

Crop Year: Version: 1.0
Feed Type: MIXED FORAGE Series:
Package: BASIC NIR Cutting#:

NIR ANALYSIS RESULTS

Moisture 10.7
Dry Matter 89.3

PROTEINS % SP % CP % DM

Crude Protein 17.5
Adjusted Protein 17.5
Soluble Protein 37.9 6.6
Ammonia (CPE) 23.8 9.0 1.58
ADF Protein (ADICP) 9.2 1.61
NDF Protein (NDICP) 17.3 3.03
NDR Protein (NDRCP)
Rumen Degr. Protein 68.9 12.1
Amino Acid Protein, Total
Lysine
Methionine
Isoleucine
Leucine
Histidine

FIBER % NDF % DM

ADF 72.2 36.9
aNDF 51.0
aNDFom 50.3
NDR (NDF w/o sulfite)
Crude Fiber
Lignin 16.2 8.25
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) 22.3 5.5
Water Soluble CHO (WSC-Sugar) 8.3
Starch 14.1 3.5
Soluble Starch
Soluble Fiber
Starch Dig. (7 hr, 4 mm)
Crude Fat 1.55
Fatty Acids, Total
C16:0
C18:0
C18:1
C18:2
C18:3

Unsaturated Fatty Acids (RUFAL)

Fatty Acids (%Fat)

Values in bold were analyzed by wet chemistry methods.

MINERALS

Ash (%DM) 8.38
Calcium (%DM) 0.80
Phosphorus (%DM) 0.23
Magnesium (%DM) 0.28
Potassium (%DM) 2.22
Sulfur (%DM) 0.23
Sodium (%DM)
Chloride (%DM) 0.09
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

Equine TDN (%DM) 48.8
Equine DE (mj/kg) 8.95
Net Energy Lactation (mj/kg) 5.09
Net Energy Maintenance (mj/kg) 4.74
Net Energy Gain (mj/kg) 2.41
ME (mj/kg) 8.29
AA Protein as % of Total Protein
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)
NDF Dig. Rate (Kd, %HR, uNDF) 4.1
Starch Dig. Rate (Kd, %HR, Mertens)
Relative Feed Value (RFV) 110
Relative Forage Quality (RFQ)
Milk per Ton (kg/tonne) 1204
Milk per Ton 2024(kg/tonne)
Beef per Ton (kg/tonne)
Dig. Organic Matter Index (kg/tonne)
NFC (Non-Fiber Carbohydrates)(%DM) 24.5
NSC (Non-Structural Carbohydrates) ESC (%DM) 9.0
NSC (Non-Structural Carbohydrates) WSC (%DM) 11.8
DCAD (meq/100gdm)
Summative Index % (Mass Balance)
V Score

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

