



CUMBERLAND VALLEY ANALYTICAL SERVICES

Laboratory services for agriculture ... from the field to the feed bunk.

Type: 48% SOYBEAN MEAL
Farm: SHEPPARD GRAIN INC
Desc: HI PRO MEAL ORGANIC SOYBE
ATKINSON TIM
SHEPPARD GRAIN, INC.

Copies to: SHEPPARD, STEVE
Regression: OH

Lab ID: 21122 133
Sampled: 12/07/2016
Arrived: 12/08/2016
Completed: 12/14/2016
Reported: 01/04/2017

HI PRO MEAL ORGANIC SOYBEAN MEAL

SAMPLE INFORMATION

Lab ID: 21122 133 Series:
Crop Year: 2016 Version: 2.0
Cutting#:
Feed Type: 48% SOYBEAN MEAL

CHEMISTRY ANALYSIS RESULTS

Moisture 6.0
Dry Matter 94.0

PROTEINS % SP % CP % DM

Crude Protein 48.2
Adjusted Protein 48.2
Soluble Protein 6.9 3.3
Ammonia (CPE)
ADF Protein (ADICP) 1.1 0.53
NDF Protein (NDICP) 1.8 0.88
NDR Protein (NDRCP)
Rumen Degr. Protein
Rumen Deg. CP (Strep.G)

FIBER % NDF % DM

ADF 62.5 5.6
aNDF 9.0
aNDFom
NDR (NDF w/o sulfite)
peNDF
Crude Fiber
Lignin 8.79 0.80
NDF Digestibility (12 hr)
NDF Digestibility (24 hr)
NDF Digestibility (30 hr)
NDF Digestibility (48 hr)
NDF Digestibility (240 hr)
uNDF (30 hr)
uNDF (240 hr)

CARBOHYDRATES % Starch % NFC % DM

Silage Acids
Ethanol Soluble CHO (Sugar)
Water soluble CHO (Sugar)
Starch
Soluble Fiber
Starch Digestibility (7 hr)
Fatty Acids, Total (%DM)
Crude Fat 9.54
Acid Hydrolysis Fat

Definitions and explanation of report terms



Additional sample information, source and lab pictures



MINERALS

Ash (%DM) 6.48
Calcium (%DM) 0.35
Phosphorus (%DM) 0.68
Magnesium (%DM) 0.30
Potassium (%DM) 2.31
Sulfur (%DM)
Sodium (%DM) 0.01
Chloride (%DM)
Iron (PPM) 229
Manganese (PPM) 34
Zinc (PPM) 53
Copper (PPM) 13
Molybdenum (PPM)
Selenium (PPM)
Nitrate Ion (%DM)

FERMENTATION

pH
Total VFA
Lactic Acid (%DM)
Lactic as % of Total VFA
Acetic Acid (%DM)
Propionic Acid (%DM)
Butyric Acid (%DM)
Isobutyric Acid (%DM)
1, 2 Propanediol (%DM)

ENERGY & INDEX CALCULATIONS

TDN (%DM) 91.9
Net Energy Lactation (mcal/lb) 1.00
Schwab/Shaver NEL (Processed)
Schwab/Shaver NEL (Unprocessed)
Net Energy Maintenance (mcal/lb) 1.05
Net Energy Gain (mcal/lb) 0.73
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)
NDF Dig. Rate (Kd, %HR, Van Amburgh, iNDF)
Relative Feed Value (RFV)
Relative Feed Quality (RFQ)
Milk per Ton (lbs/ton)
Dig. Organic Matter Index (lbs/ton)
Non Fiber Carbohydrates (%DM) 27.6
Non Structural Carbohydrates (%DM)
DCAD (meq/100gdm)



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