



CUMBERLAND VALLEY ANALYTICAL SERVICES

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

Type: 48% SOYBEAN MEAL
Farm: NO FARM NAME
Desc: ORGANIC 48% HI PRO
ATKINSON TIM
SHEPPARD GRAIN, INC.

Copies to: SHEPPARD, STEVE

Lab ID: 20621 026
Sampled: 08/30/2016
Arrived: 09/06/2016
Completed: 09/13/2016
Reported: 09/13/2016

Regression: OH

ORGANIC 48% HI PRO

SAMPLE INFORMATION

Lab ID: 20621 026 Series:
Crop Year: 2016 Version: 1.0
Cutting#:
Feed Type: 48% SOYBEAN MEAL

CHEMISTRY ANALYSIS RESULTS

Moisture 3.8
Dry Matter 96.2

PROTEINS

| | % SP | % CP | % DM |
|-------------------------|------|------|------|
| Crude Protein | | | 50.7 |
| Adjusted Protein | | | |
| Soluble Protein | | | |
| Ammonia | | | |
| ADF Protein (ADICP) | | | |
| NDF Protein (NDICP) | | | |
| NDR Protein (NDRCP) | | | |
| Rumen Degr. Protein | | | |
| Rumen Deg. CP (Strep.G) | | | |

FIBER

| | % NDF | % DM |
|----------------------------|-------|------|
| ADF | | |
| aNDF | | |
| aNDFom | | |
| NDR (NDF w/o sulfite) | | |
| peNDF | | |
| Crude Fiber | | 6.1 |
| Lignin | | |
| 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 | | | 7.85 |
| Acid Hydrolysis Fat | | | |

Definitions and explanation of report terms



Additional sample information, source and lab pictures



MINERALS

Ash (%DM)
Calcium (%DM)
Phosphorus (%DM)
Magnesium (%DM)
Potassium (%DM)
Sulfur (%DM)
Sodium (%DM)
Chloride (%DM)
Iron (PPM)
Manganese (PPM)
Zinc (PPM)
Copper (PPM)
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)
Titratable Acidity (meq/100gm)
1, 2 Propanediol (%DM)

ENERGY & INDEX CALCULATIONS

TDN (%DM)
Net Energy Lactation (mcal/lb)
Schwab/Shaver NEL (Processed)
Schwab/Shaver NEL (Unprocessed)
Net Energy Maintenance (mcal/lb)
Net Energy Gain (mcal/lb)
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) 41.5
Non Structural Carbohydrates (%DM)
DCAD (meq/100gdm)



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