



CUMBERLAND VALLEY ANALYTICAL SERVICES

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

Type: **DISTILLERS GRAIN, DRY**
Farm: **WNY ENERGY LLC**
Desc: **12-18-19 DDG**
BLAKE LESLIE
WESTERN NY ENERGY LLC

Copies to: **WINTERS, T**

Regression: **OH**

Lab ID: **27647 041**
Sampled: **12/18/2019**
Arrived: **12/27/2019**
Completed: **01/02/2020**
Reported: **01/07/2020**

12-18-19 DDG

SAMPLE INFORMATION

Lab ID: 27647 041 Series:
Crop Year: 2019 Version: 2.0
Cutting#:
Feed Type: DISTILLERS GRAIN, DRY

CHEMISTRY ANALYSIS RESULTS

Moisture 12.6
Dry Matter 87.4

PROTEINS

	% SP	% CP	% DM
Crude Protein			32.6
Adjusted Protein			32.6
Soluble Protein	17.5	5.7	
Ammonia (CPE)			
ADF Protein (ADICP)	6.8	2.22	
NDF Protein (NDICP)	8.0	2.60	
NDR Protein (NDRCP)			
Rumen Degr. Protein			

FIBER

	% NDF	% DM
ADF	40.3	13.4
aNDF		33.4
aNDFom		
NDR (NDF w/o sulfite)		
Crude Fiber	28.7	9.6
Lignin	5.06	1.69
NDF Digestibility (12 hr)		
NDF Digestibility (24 hr)		
NDF Digestibility (30 hr)		
NDF Digestibility (72 hr)		
NDF Digestibility (240 hr)		
uNDF (30 hr)		
uNDF (240 hr)		

CARBOHYDRATES

	% Starch	% NFC	% DM
Silage Acids			
Ethanol Soluble CHO (ESC-Sugar)		21.4	4.3
Water Soluble CHO (WSC-Sugar)			
Starch		3.4	0.7
Soluble Starch			
Soluble Fiber			
Starch Digestibility (7 hr)			
Crude Fat			10.60
Fatty Acids, Total (%DM)			
Acid Hydrolysis Fat			

MINERALS

Ash (%DM)	5.98
Calcium (%DM)	0.03
Phosphorus (%DM)	1.04
Magnesium (%DM)	0.41
Potassium (%DM)	1.51
Sulfur (%DM)	0.93
Sodium (%DM)	0.32
Chloride (%DM)	0.21
Iron (PPM)	113
Manganese (PPM)	17
Zinc (PPM)	74
Copper (PPM)	4
Molybdenum (PPM)	

FERMENTATION

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)
Nitrate Ion (%DM)

ENERGY & INDEX CALCULATIONS

pH	
TDN (%DM)	85.5
Net Energy Lactation (Mcal/lb)	0.93
Net Energy Maintenance (Mcal/lb)	0.97
Net Energy Gain (Mcal/lb)	0.66
ME (Mcal/lb)	1.5
NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)	
NDF Dig. Rate (Kd, %HR, Van Amburgh, iNDF)	
Relative Feed Value (RFV)	
Relative Forage Quality (RFQ)	
Milk per Ton (lbs/ton)	
Dig. Organic Matter Index (lbs/ton)	
Non Fiber Carbohydrates (%DM)	20.07
Non Structural Carbohydrates (%DM)	5.0
DCAD (meq/100gdm)	-11.9

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



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