



# CUMBERLAND VALLEY ANALYTICAL SERVICES

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

**Type:** DISTILLERS GRAIN, DRY  
**Farm:** WNY ENERGY LLC  
**Desc:** DDG 12/10-14/18  
**BLAKE LESLIE**  
**WESTERN NY ENERGY LLC**

**Copies to:** WINTERS, T  
**Regression:** OH

**Lab ID:** 25466 029  
**Sampled:** 12/14/2018  
**Arrived:** 12/19/2018  
**Completed:** 12/26/2018  
**Reported:** 12/26/2018

## DDG 12/10-14/18

### SAMPLE INFORMATION

Lab ID: 25466 029 Series:  
Crop Year: 2018 Version: 1.0  
Cutting#:  
Feed Type: DISTILLERS GRAIN, DRY

### CHEMISTRY ANALYSIS RESULTS

Moisture 12.9  
Dry Matter 87.1

### PROTEINS

	% SP	% CP	% DM
Crude Protein			33.8
Adjusted Protein			33.8
Soluble Protein	23.2		7.9
Ammonia (CPE)			
ADF Protein (ADICP)		7.2	2.43
NDF Protein (NDICP)		7.6	2.58
NDR Protein (NDRCP)			
Rumen Degr. Protein			
Rumen Deg. CP (Strep.G)			

### FIBER

	% NDF	% DM
ADF	40.4	13.8
aNDF		34.2
aNDFom		
NDR (NDF w/o sulfite)		
peNDF		
Crude Fiber	32.8	11.2
Lignin	8.43	2.89
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)		19.7	3.6
Water soluble CHO (Sugar)			
Starch		7.9	1.4
Soluble Fiber			
Starch Digestibility (7 hr)			
Fatty Acids, Total (%DM)			
Crude Fat			10.90
Acid Hydrolysis Fat			

Definitions and explanation of report terms



Additional sample information, source and lab pictures



### MINERALS

Ash (%DM)	5.35
Calcium (%DM)	0.03
Phosphorus (%DM)	1.02
Magnesium (%DM)	0.40
Potassium (%DM)	1.41
Sulfur (%DM)	0.92
Sodium (%DM)	0.21
Chloride (%DM)	0.23
Iron (PPM)	93
Manganese (PPM)	19
Zinc (PPM)	90
Copper (PPM)	9
Molybdenum (PPM)	
Selenium (PPM)	
Nitrate Ion (%DM)	

### 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)

### ENERGY & INDEX CALCULATIONS

pH	
TDN (%DM)	84.3
Net Energy Lactation (Mcal/lb)	0.92
Schwab/Shaver NEL (Processed)	
Schwab/Shaver NEL (Unprocessed)	
Net Energy Maintenance (Mcal/lb)	0.95
Net Energy Gain (Mcal/lb)	0.65
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)	18.30
Non Structural Carbohydrates (%DM)	5.0
DCAD (meq/100gdm)	-19.1



Powered by Cumberland Valley Analytical Services, Inc.



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