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Lab No.: 4491		FEED ANALYSIS REPORT		Date Reported: 10/20/2021
<b>Send To:</b> 33974	SIOUXLAND ETHANOL 1501 KNOX BLVD JACKSON, NE 68743			
<b>Results For:</b> <b>Feedstuff Description:</b> <b>Sample Identification:</b> <b>Date Received:</b>	SIOUXLAND ETHANOL DRY DISTILLERS GRAIN DDG 10/14/21 10/18/2021		 Theresa Smith Senior Analyst	
<b>Invoice No.:</b> <b>PO Number:</b>	721385 1751			
Feed Analysis Results				
	As Received	100% Dry Matter		
Moisture, %	13.1			
Dry Matter, %	86.9			
Crude Protein, %	29.4	33.8		
Acid Detergent Fiber, % ADF	12.3	14.1		
Crude Fiber, % CF	9.2	10.6		
Crude Fat, %	5.3	6.1		
Ash, % Ash	4.3	4.9		
Total Digestible Nutrients, % TDN	67.4	77.6		
Net Energy, Maint, Mcal/lb	0.74	0.85		
Net Energy, Gain, Mcal/lb	0.49	0.56		
Net Energy, Lact, Mcal/lb	0.70	0.81		
Digestible Energy, Mcal/lb Beef D.E.	1.35	1.55		
Met. Energy, Beef, Mcal/lb	1.11	1.27		
Calcium, % Ca	0.03	0.03		
Phosphorus, % P	0.77	0.89		
Magnesium, % Mg	0.30	0.35		
Potassium, % K	1.04	1.20		

The reported analytical results apply only to the sample as it was supplied.  
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SIOUXLAND ETHANOL  
1501 KNOX BLVD  
JACKSON, NE 68743

**Results For:** SIOUXLAND ETHANOL  
**Feedstuff Description:** DRY DISTILLERS GRAIN  
**Sample Identification:** DDG 10/14/21  
**Date Received:** 10/18/2021  
**Invoice No.:** 721385  
**PO Number:** 1751

*Theresa Smith*  
Theresa Smith  
Senior Analyst

Feed Analysis Results	As Received	100% Dry Matter
Sulfur, % S	0.31	0.35
Sodium, % Na	0.041	0.047
Zinc, mg/kg Zn	52	60
Iron, mg/kg Fe	71	81
Manganese, mg/kg Mn	14	16
Copper, mg/kg Cu	5	6
Total Starch (Megazyme), %	2.4	2.8

To convert results reported in percent (%) to parts per million (ppm), multiply the % result by 10,000.  
Total starch by enzymatic hydrolysis was determined using Megazyme amyloglucosidase enzyme. Please call the laboratory if you have questions.