

# Certificate of Analysis



Certificate Number: 17-038330

Report Date: July 13, 2017

**Client:**

**ABSOLUTE ENERGY**  
1372 STATE LINE ROAD

IA 50472

UNITED STATES

**Sample Information:**

**SGS Sample Identification:** MW17-09183.001  
**Client Sample Identification:** WEEK #26  
**Received:** July 06, 2017  
**Sample/Product Type:** Distillers dried grains with solubles

Analysis	Result	Units	L.O.Q.	Method
Calcium content as received	0.02	%(m/m)	0.0124	AOAC 968.08 (ICP)
Copper content as received	4.69	PPM	0.081	AOAC 968.08 (ICP)
Iron content as received	62.38	PPM	0.2428	AOAC 968.08 (ICP)
Potassium content as received	1.24	%(m/m)	0.0044	AOAC 968.08 (ICP)
Magnesium content as received	0.32	%(m/m)	0.0029	AOAC 968.08 (ICP)
Manganese content as received	12.41	PPM	0.0917	AOAC 968.08 (ICP)
Sodium content as received	0.25	%(m/m)	0.0015	AOAC 968.08 (ICP)
Phosphorous content as received	0.95	%(m/m)	0.0063	AOAC 968.08 (ICP)
Sulfur content as received	0.60	%(m/m)	0.0177	AOAC 968.08 (ICP)
Zinc content as received	47.56	PPM	1.4846	AOAC 968.08 (ICP)
DON (Vomitoxin)	3.06	PPM	0.24	LC/MS/MS

Analysis	As Received	On Dry Matter	Units	Method
Drymatter content	88.74	--	%(m/m)	NFTA 2.2.2.5 (105C 3hrs)
Moisture	11.26	--	%(m/m)	NFTA 2.2.2.5 (105C 3hrs)
Crude Ash	4.920	5.544	%(m/m)	AOAC 942.05
Crude Fat	9.00	10.15	%(m/m)	AOAC 2003.06 (Petroleum ether)
Crude Protein	30.28	34.12	%(m/m)	AOAC 990.03
Starch Content	2.859	3.222	g/100g	AOAC996.11

**Abbreviations:**

L.O.Q.: Limit of Quantification    L.O.D.: Limit of Detection    N/A: Not Applicable    N.D.: Not Detected

Angela Carlson  
Analytical Lab Manager

Start/End Analysis: 07/06/2017 - 07/11/2017

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The sample condition upon arrival was acceptable for testing unless otherwise noted.

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