

Certificate of Analysis



Certificate Number: 18-009443

Report Date: June 19, 2018

Client:

ABSOLUTE ENERGY
1372 STATE LINE RD
SAINT ANSGAR IA 50472
UNITED STATES

Sample Information:

SGS Sample Identification: MW18-06534.001
Client Sample Identification: CHS WEEK 22
Received: June 13, 2018
Sample/Product Type: Distillers dried grains with solubles

Analysis	Result	Units	L.O.Q.	Method
Hunter L Color	59.98		N/A	ColorFlex User's Guide, Ver. 2.5
Calcium	0.02	%(m/m)	0.0028	AOAC 968.08 (ICP)
Copper	4.16	PPM	2.7889	AOAC 968.08 (ICP)
Iron	54.82	PPM	6.8889	AOAC 968.08 (ICP)
Potassium	1.06	%(m/m)	0.0694	AOAC 968.08 (ICP)
Magnesium	0.32	%(m/m)	0.0209	AOAC 968.08 (ICP)
Manganese	10.87	PPM	0.9778	AOAC 968.08 (ICP)
Sodium	0.22	%(m/m)	0.014	AOAC 968.08 (ICP)
Phosphorus	0.86	%(m/m)	0.0554	AOAC 968.08 (ICP)
Sulfur	0.60	%(m/m)	0.021	AOAC 968.08 (ICP)
Zinc	45.81	PPM	5.5556	AOAC 968.08 (ICP)
Vomitoxin (DON)	1.714	PPM	0.5	Neogen Veratox (ELISA)

Analysis	As Received	On Dry Matter	Units	Method
Drymatter content	89.54	--	%(m/m)	NFTA 2.2.2.5
Moisture content	10.46	--	%(m/m)	NFTA 2.2.2.5
Crude ash content	4.696	5.245	%(m/m)	AOAC 942.05
Crude Fiber	8.03	8.97	%(m/m)	AOAC 962.09
NDF	29.93	--	%	ANKOM Technology Method 6
Crude Fat	7.86	8.78	%(m/m)	AOAC 2003.06 (Petroleum Ether)
Acid detergent fiber	10.04	11.21	%(m/m)	Calculation
Digestable Energy	1.62	1.81	Mcal/lb	Calculation
Metabolizable Energy	1.36	--	Mcal/lb	Calculation
Net Energy Gain	0.59	0.66	Mcal/lb	Calculation
Net Energy Lactation	0.80	0.89	Mcal/lb	Calculation
Net Energy Maintenance	0.89	0.99	Mcal/lb	Calculation
Total digestable nutrients	76.12	85.01	%(m/m)	Calculation
Crude Protein	27.96	31.23	%(m/m)	AOAC 990.03

Abbreviations:

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

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

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