

# Certificate of Analysis



Certificate Number: 24-010421

Report Date: December 12, 2024

**Client:**

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

**Sample Information:**

**SGS Sample Identification:** MW24-08481.001  
**Client Sample Identification:** MDDG MONTHLY SAMPLE 12-2024  
**Received:** December 04, 2024  
**Sample/Product Type:** Modified Distiller Dried Grains  
The sample condition upon arrival was acceptable for testing.

Analysis	Result	Units	L.O.Q.	Method
Calcium	0.01	%	0.0028	ANA008CHEM
Copper	N.D.	PPM	2.7889	ANA008CHEM
Iron	28.98	PPM	6.8889	ANA008CHEM
Potassium	0.59	%	0.0694	ANA008CHEM
Magnesium	0.16	%	0.0209	ANA008CHEM
Manganese	6.69	PPM	0.9778	ANA008CHEM
Sodium	0.12	%	0.014	ANA008CHEM
Phosphorus	0.47	%	0.0554	ANA008CHEM
Sulfur	0.31	%	0.021	ANA008CHEM
Zinc	26.20	PPM	5.5556	ANA008CHEM
Aflatoxin B1	N.D.	PPB	1	ANA012CHEM
Aflatoxin B2	N.D.	PPB	1	ANA012CHEM
Aflatoxin G1	N.D.	PPB	1	ANA012CHEM
Aflatoxin G2	N.D.	PPB	1	ANA012CHEM
Aflatoxin Summation	N.D.	PPB	1	ANA012CHEM
DON (Vomitoxin)	0.30	PPM	0.1	ANA012CHEM
Fumonisin B1	0.20	PPM	0.1	ANA012CHEM
Fumonisin B2	N.D.	PPM	0.1	ANA012CHEM
Fumonisin B3	N.D.	PPM	0.1	ANA012CHEM
Ochratoxin	N.D.	PPB	1	ANA012CHEM
T-2 toxin	N.D.	PPB	10	ANA012CHEM
Zearalenone	N.D.	PPB	20	ANA012CHEM

Analysis	As Received	On Dry Matter	Units	Method
Drymatter	50.54	--	%	NFTA 2.2.2.5
Moisture	49.46	--	%	NFTA 2.2.2.5
Crude ash content	2.579	5.102	%	AOAC 942.05 (mod)
NDF	17.89	35.39	%	ANKOM Technology Method 6
Crude Fat	3.60	7.13	%	AOAC 2003.06 (Petroleum Ether)
Crude Protein	15.65	30.98	%	ANA030CHEM

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and/or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.

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Analysis	As Received	On Dry Matter	Units	Method
Acid detergent fiber	5.70	11.27	%	Calculation
Digestable Energy	0.91	1.81	Mcal/lb	Calculation
Metabolizable Energy	0.75	--	Mcal/lb	Calculation
Net Energy Gain	0.33	0.66	Mcal/lb	Calculation
Net Energy Lactation	0.45	0.89	Mcal/lb	Calculation
Net Energy Maintenance	0.50	0.99	Mcal/lb	Calculation
Total digestable nutrients	42.94	84.97	%	Calculation
Crude fiber	4.56	9.02	%	AOCS Ba6a-05/Ankom
Total Starch Content	1.183	2.340	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



Lynn Vansloten  
Crop Sciences - Laboratory Supervisor  
Start/End Analysis: 12/04/2024 - 12/11/2024

**Method References:**

ANA008CHEM: AOAC 2011.14; EN17053:2018; USP <2232>; EPA 200.7; AOAC 985.01  
ANA030CHEM: AACC 46-30.01, AOAC 992.15, AOAC 990.03

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