

Certificate of Analysis



Certificate Number: 21-008657

Report Date: July 28, 2021

Client:

ABSOLUTE ENERGY

1372 STATE LINE RD

SAINT ANSGAR IA 50472

UNITED STATES

Sample Information:

SGS Sample Identification: MW21-05277.001

Client Sample Identification: CHS WEEK 27

Received: July 14, 2021

Sample/Product Type: Distillers dried grains with solubles

The sample condition upon arrival was acceptable for testing.

Analysis	Result	Units	L.O.Q.	Method
Calcium	0.02	%	0.0028	ANA008CHEM
Copper	5.11	PPM	2.7889	ANA008CHEM
Iron	67.68	PPM	6.8889	ANA008CHEM
Potassium	1.18	%	0.0694	ANA008CHEM
Magnesium	0.36	%	0.0209	ANA008CHEM
Manganese	12.98	PPM	0.9778	ANA008CHEM
Sodium	0.29	%	0.014	ANA008CHEM
Phosphorus	0.99	%	0.0554	ANA008CHEM
Sulfur	0.70	%	0.021	ANA008CHEM
Zinc	54.73	PPM	5.5556	ANA008CHEM
DON (Vomitoxin)	0.63	PPM	0.1	ANA012CHEM
Hunter L Color	54.05		N/A	Hunter Labs Colorflex EZ

Analysis	As Received	On Dry Matter	Units	Method
Drymatter	89.85	--	%	NFTA 2.2.2.5
Moisture	10.15	--	%	NFTA 2.2.2.5
Crude ash content	4.852	5.400	%	AOAC 942.05 (mod)
Crude Fiber	8.28	9.21	%	ANA032CHEM
NDF	30.54	--	%	ANKOM Technology Method 6
Crude Fat	6.91	7.69	%	AOAC 2003.06 (Petroleum Ether)
Acid detergent fiber	10.34	11.51	%	Calculation
Digestable Energy	1.62	1.80	Mcal/lb	Calculation
Metabolizable Energy	1.34	--	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	76.17	84.78	%	Calculation
Crude Protein	29.06	32.35	%	ANA030CHEM

Abbreviations:

L.O.Q.: Limit of Quantification

L.O.D.: Limit of Detection

N/A: Not Applicable

N.D.: Not Detected

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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A blue ink signature of Dustin Edmison, written in a cursive style.

Dustin Edmison
Laboratory Manager

Start/End Analysis: 07/14/2021 - 07/27/2021

Method References:

ANA008CHEM: AOAC 2011.14; EN17053:2018; USP <2232>; EPA 200.7; AOAC 985.01

ANA032CHEM: AOAC 962.09,

AOCS Ba 6a-05

ANA030CHEM: AACC 46-30.01, AOAC 992.15, AOAC 990.03

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