

# Certificate of Analysis



Certificate Number: 19-005230

Report Date: April 22, 2019

**Client:**

**ABSOLUTE ENERGY**  
1372 STATE LINE ROAD

IA 50472

UNITED STATES

**Sample Information:**

**SGS Sample Identification:** MW19-03110.001  
**Client Sample Identification:** WEEK 14  
**Received:** April 17, 2019  
**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       | 59.10  | PPM   | 6.8889 | ANA008CHEM |
| Potassium  | 1.21   | %     | 0.0694 | ANA008CHEM |
| Magnesium  | 0.31   | %     | 0.0209 | ANA008CHEM |
| Manganese  | 11.45  | PPM   | 0.9778 | ANA008CHEM |
| Sodium     | 0.29   | %     | 0.014  | ANA008CHEM |
| Phosphorus | 0.91   | %     | 0.0554 | ANA008CHEM |
| Sulfur     | 0.51   | %     | 0.021  | ANA008CHEM |
| Zinc       | 49.33  | PPM   | 5.5556 | ANA008CHEM |

| Analysis          | As Received | On Dry Matter | Units  | Method                         |
|-------------------|-------------|---------------|--------|--------------------------------|
| Starch Content    | 2.119       | 2.378         | g/100g | AOAC996.11                     |
| Drymatter         | 89.08       | --            | %      | NFTA 2.2.2.5                   |
| Moisture          | 10.92       | --            | %      | NFTA 2.2.2.5                   |
| Crude ash content | 4.734       | 5.314         | %      | AOAC 942.05                    |
| Crude Fat         | 9.14        | 10.26         | %      | AOAC 2003.06 (Petroleum Ether) |
| Crude Protein     | 27.88       | 31.30         | %      | ANA030CHEM                     |

**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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Analytical Chemistry Supervisor  
Start/End Analysis: 04/17/2019 - 04/22/2019

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