

# Certificate of Analysis



Certificate Number: 22-010145

Report Date: October 07, 2022

**Client:**

**WESTERN NEW YORK ENERGY LLC**

4141 BATES ROAD

Medina NY 14103

UNITED STATES

**Sample Information:**

**SGS Sample Identification:** MW22-07739.001  
**Client Sample Identification:** CHS WEEK 36  
**Received:** September 28, 2022  
**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          | 5.42   | PPM   | 2.7889 | ANA008CHEM               |
| Iron            | 63.52  | PPM   | 6.8889 | ANA008CHEM               |
| Potassium       | 1.21   | %     | 0.0694 | ANA008CHEM               |
| Magnesium       | 0.33   | %     | 0.0209 | ANA008CHEM               |
| Manganese       | 13.41  | PPM   | 0.9778 | ANA008CHEM               |
| Sodium          | 0.02   | %     | 0.014  | ANA008CHEM               |
| Phosphorus      | 0.91   | %     | 0.0554 | ANA008CHEM               |
| Sulfur          | 0.49   | %     | 0.021  | ANA008CHEM               |
| Zinc            | 56.35  | PPM   | 5.5556 | ANA008CHEM               |
| DON (Vomitoxin) | 8.99   | PPM   | 0.1    | ANA012CHEM               |
| Hunter L Color  | 57.23  |       | N/A    | Hunter Labs Colorflex EZ |

| Analysis                   | As Received | On Dry Matter | Units   | Method                         |
|----------------------------|-------------|---------------|---------|--------------------------------|
| Drymatter                  | 87.84       | --            | %       | NFTA 2.2.2.5                   |
| Moisture                   | 12.16       | --            | %       | NFTA 2.2.2.5                   |
| Crude ash content          | 4.443       | 5.059         | %       | AOAC 942.05 (mod)              |
| Crude Fiber                | 9.45        | 10.76         | %       | ANA032CHEM                     |
| NDF                        | 33.07       | 37.65         | %       | ANKOM Technology Method 6      |
| Crude Fat                  | 9.27        | 10.55         | %       | AOAC 2003.06 (Petroleum Ether) |
| Acid detergent fiber       | 11.82       | 13.45         | %       | Calculation                    |
| Digestable Energy          | 1.57        | 1.79          | Mcal/lb | Calculation                    |
| Metabolizable Energy       | 1.35        | --            | Mcal/lb | Calculation                    |
| Net Energy Gain            | 0.56        | 0.64          | Mcal/lb | Calculation                    |
| Net Energy Lactation       | 0.77        | 0.87          | Mcal/lb | Calculation                    |
| Net Energy Maintenance     | 0.85        | 0.97          | Mcal/lb | Calculation                    |
| Total digestable nutrients | 73.17       | 83.30         | %       | Calculation                    |
| Crude Protein              | 27.93       | 31.80         | %       | 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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Dustin Edmison  
Laboratory Manager

**Start/End Analysis:** 09/28/2022 - 10/06/2022

**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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