
NICK DRESSER
825C MERRIMON AVE STE 225
ASHEVILLE NC 28804

REPORT OF ANALYSIS

For: (32248) ----- LLC

| Analysis | Level Found | Units | Reporting | | Analyst- Date | Verified- Date |
|--|-------------|-------|-----------|------------------------|------------------|-------------------|
| | As Received | | Limit | Method | | |
| Sample ID: N 14 Lab Number: 8818678 Date Sampled: 2020-10-01 | | | | | | |
| Aspartic acid | 4.62 | % | 0.01 | AOAC 994.12 (Alt. III) | arr3-2020/10/23 | akj2-2020/10/23 |
| Threonine | 1.59 | % | 0.01 | AOAC 994.12 (Alt. III) | arr3-2020/10/23 | akj2-2020/10/23 |
| Serine | 1.12 | % | 0.01 | AOAC 994.12 (Alt. III) | arr3-2020/10/23 | akj2-2020/10/23 |
| Glutamic acid | 10.4 | % | 0.01 | AOAC 994.12 (Alt. III) | arr3-2020/10/23 | akj2-2020/10/23 |
| Proline | 14.1 | % | 0.01 | AOAC 994.12 (Alt. III) | arr3-2020/10/23 | akj2-2020/10/23 |
| Glycine | 25.2 | % | 0.01 | AOAC 994.12 (Alt. III) | arr3-2020/10/23 | akj2-2020/10/23 |
| Alanine | 9.67 | % | 0.01 | AOAC 994.12 (Alt. III) | arr3-2020/10/23 | akj2-2020/10/23 |
| Cystine | 0.04 | % | 0.01 | AOAC 994.12 (Alt. I) | tds5-2020/10/23 | akj2-2020/10/23 |
| Valine | 2.70 | % | 0.01 | AOAC 994.12 (Alt. III) | arr3-2020/10/23 | akj2-2020/10/23 |
| Methionine | 1.00 | % | 0.01 | AOAC 994.12 (Alt. I) | tds5-2020/10/23 | akj2-2020/10/23 |
| Isoleucine | 1.64 | % | 0.01 | AOAC 994.12 (Alt. III) | arr3-2020/10/23 | akj2-2020/10/23 |
| Leucine | 3.43 | % | 0.01 | AOAC 994.12 (Alt. III) | arr3-2020/10/23 | akj2-2020/10/23 |
| Tyrosine | 0.58 | % | 0.01 | AOAC 994.12 (Alt. III) | arr3-2020/10/23 | akj2-2020/10/23 |
| Phenylalanine | 2.17 | % | 0.01 | AOAC 994.12 (Alt. III) | arr3-2020/10/23 | akj2-2020/10/23 |
| Lysine (total) | 3.34 | % | 0.01 | AOAC 994.12 (Alt. III) | arr3-2020/10/23 | akj2-2020/10/23 |
| Histidine | 0.72 | % | 0.01 | AOAC 994.12 (Alt. III) | arr3-2020/10/23 | akj2-2020/10/23 |
| Arginine | 6.73 | % | 0.01 | AOAC 994.12 (Alt. III) | arr3-2020/10/23 | akj2-2020/10/23 |
| Tryptophan | n.d. | % | 0.01 | AOAC 988.15 (mod) | cmt4-2020/10/22 | akj2-2020/10/22 |
| Nitrogen (total) | 16.46 | % | 0.01 | MWL WC PROC 55 | kjs3-2020/10/19 | asl4-2020/10/20 |

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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**EDEN SOLUTIONS LLC
NICK DRESSER
825C MERRIMON AVE STE 225
ASHEVILLE NC 28804**

REPORT OF ANALYSIS

For: (32248) EDEN SOLUTIONS LLC
bluegold nitrogen 14

| Analysis | Level Found | Units | Reporting | | Analyst- Date | Verified- Date |
|---------------------------------|-------------|-----------------------------|-----------|-------------------|------------------|-------------------|
| | As Received | | Limit | Method | | |
| Sample ID: BlueGold Nitrogen 14 | | Lab Number: 8818678 (con't) | | | | |
| Nitrate-nitrogen | n.d. | % | 0.01 | WC PROC 32 | ach3-2020/10/20 | tat9-2020/10/20 |
| Ammonium nitrogen (total) | 0.01 | % | 0.01 | AOAC 920.03 (mod) | man0-2020/10/19 | asl4-2020/10/20 |
| Urea nitrogen (N) | 0.2 | % | 0.1 | AOAC 941.04 | man0-2020/10/19 | asl4-2020/10/20 |
| Arsenic (TCLP) | n.d. | mg/L | 2.5 | EPA 6010 | ery3-2020/10/22 | trh1-2020/10/22 |
| Cadmium (TCLP) | n.d. | mg/L | 0.25 | EPA 6010 | ery3-2020/10/22 | trh1-2020/10/22 |
| Chromium (TCLP) | 2.05 | mg/L | 0.5 | EPA 6010 | ery3-2020/10/22 | trh1-2020/10/22 |
| Lead (TCLP) | n.d. | mg/L | 2.5 | EPA 6010 | ery3-2020/10/22 | trh1-2020/10/22 |
| Mercury (TCLP) | n.d. | mg/L | 0.050 | EPA 7471 | pjd8-2020/10/21 | trh1-2020/10/22 |
| Selenium (TCLP) | n.d. | mg/L | 1.0 | EPA 6010 | ery3-2020/10/22 | trh1-2020/10/22 |
| Silver (TCLP) | n.d. | mg/L | 0.50 | EPA 6010 | ery3-2020/10/22 | trh1-2020/10/22 |
| Barium (TCLP) | n.d. | mg/L | 0.25 | EPA 6010 | ery3-2020/10/22 | trh1-2020/10/22 |

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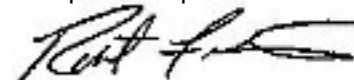
**EDEN SOLUTIONS LLC
NICK DRESSER
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ASHEVILLE NC 28804****REPORT OF ANALYSIS**For: (32248) EDEN SOLUTIONS LLC
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| Analysis | Level Found | Reporting | | | Analyst- | Verified- |
|----------|-------------|-----------|-------|--------|----------|-----------|
| | As Received | Units | Limit | Method | Date | Date |

MAXIMUM PERMISSIBLE LEVELS FOR TCLP EXTRACTS (in mg/L): Arsenic- 5.0 , barium- 100, cadmium- 1.0, chromium- 5.0, lead- 5.0, mercury- 0.2, selenium- 1.0, silver- 5.0. Sample analysis identified as "(TCLP)" were extracted by EPA method 1311 prior to analysis.

All results are reported on an AS RECEIVED basis., n.d. = not detected

For questions please contact:



Rob Ferris
Account Manager
rferris@midwestlabs.com (402)829-9871

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Detailed Method Description(s)

AOAC 994.12 (Alt. III) total amino acids-hydrolysis

A small amount of a homogenous sample is digested using a combination of heat and hydrochloric acid to break down the peptide bonds between the amino acids. The extract is treated to clean it up and then an aliquot is injected into the LC/MS/MS. This method cannot determine tryptophan. The amino acids cystine and methionine must undergo special treatment before they can be analyzed by this procedure.

ME 042

Analysis follows MWL ME 042 which is based on EPA 6010b, Inductively Coupled Plasma (ICP). A light emission technique where prepared samples are injected into a high energy plasma that forces the elements in the injected sample to emit light energies which are proportional to the level of minerals and metals present. The light is then detected and correlated to the levels of minerals and metals in the original sample.

Elemental combustion Nitrogen, Carbon, Hydrogen

Analysis follows MWL WC 055 which is based on AOAC 993.13. Samples are ground to a fine, homogenous consistency and a small amount weighed and introduced into the instrument. The sample is burned in the presence of oxygen to release gases such as carbon dioxide, nitrogen, and hydrogen and the levels of a specific gas determined and reported.

WC PROC 32

The extraction phase is based on ASA (American Society of Agronomy) chapter 38 and uses potassium chloride as the extracting solution. The extract is analyzed by automated cadmium reduction based on EPA 353.2

Ammonia (fertilizer/compost)

Analysis follows WC 015 which is based on AOAC 920.03. A sample is placed in a distillation tube and a standard base added to convert ammonium to ammonia. The ammonia is distilled into an acid solution. The acid solution is titrated with a standard acid.

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AOAC 941.04 urea

Sample analysis follows MWL WC 016 which is based on a calculation of Ammonia by WC 015 and non-protein nitrogen by WC 035. The urea is determined by subtracting the ammonia result from the non-protein nitrogen.

ME 067

Samples are analyzed for mercury using MWL ME 067 which is based upon EPA 7471, cold vapor atomic absorption (CVAA).

Samples are prepared via MWL ME 037 that uses a series of digestion steps involving hot mineral acids and oxidizers so as to destroy organic matter and solubilize mercury. The mercury is reduced by use of stannous chloride to elemental mercury that is then aerated to the light path of a mercury light of an atomic absorption spectrometer (AAS). The absorption of the mercury light at 253.7 nm is then correlated to the level of mercury present in the original sample.

AOAC 994.12 (Alt. I) - cystine & methionine

Sample analysis follows MWL HPLC 019 which is based on AOAC 994.12 (Alt I). A small amount of a homogenous sample initiall treated with performioc acid to prevent oxidation of cystine and methionine and then this extract is digested using a combination of heat and hydrochloric acid to break down the peptide bonds between the amino acids. The extract is treated to clean it up and then an aliquot is injected into the HPLC using a post-column derivatization apparatus and ninhydrin as the chromophore.

AOAC 988.15 - tryptophan

Sample analysis follows MWL HPLC 025 which is based on AOAC 988.15. A small amount of a homogenous sample is hydrolyzed using a base (sodium hydroxide) and nitrogen blanketed extraction and heat. After the hydrolysis, the extract is cleaned-up and injected into the liquid chromatogram (LC) using a mass selective detector (LC/MS).