

Prepared for:

**TONIC**

2566 Pennsylvania Ave

Sayre, PA USA 18840

**Grounded**


|  |                               |                               |                      |
|--|-------------------------------|-------------------------------|----------------------|
| Batch ID or Lot Number:<br><b>0014WP-A</b> | Test:<br><b>Potency</b>       | Reported:<br><b>10Aug2023</b> | USDA License:<br>N/A |
| Matrix:<br>Unit                            | Test ID:<br>T000251821        | Started:<br>09Aug2023         | Sampler ID:<br>N/A   |
|  | Method(s):<br>TM14 (HPLC-DAD) | Received:<br>07Aug2023        | Status:<br>N/A       |

**Cannabinoids**

|  | LOD (mg) | LOQ (mg) | Result (mg)     | Result (mg/g) | Notes                                   |
|--|----------|----------|-----------------|---------------|---|
| Cannabichromene (CBC)                        | 1.368    | 4.569    | 37.150          | 1.30          | # of Servings = 1,<br>Sample Weight=28g |
| Cannabichromenic Acid (CBCA)                 | 1.251    | 4.179    | ND              | ND            |   |
| Cannabidiol (CBD)                            | 4.477    | 12.110   | 1390.390        | 49.70         |   |
| Cannabidiolic Acid (CBDA)                    | 4.592    | 12.420   | ND              | ND            |   |
| Cannabidivarin (CBDV)                        | 1.059    | 2.864    | 5.180           | 0.20          |   |
| Cannabidivarinic Acid (CBDVA)                | 1.916    | 5.181    | ND              | ND            |   |
| Cannabigerol (CBG)                           | 0.777    | 2.594    | 48.410          | 1.70          |   |
| Cannabigerolic Acid (CBGA)                   | 3.246    | 10.844   | ND              | ND            |   |
| Cannabinol (CBN)                             | 1.013    | 3.384    | <LOQ            | <LOQ          |   |
| Cannabinolic Acid (CBNA)                     | 2.215    | 7.399    | ND              | ND            |   |
| Delta 8-Tetrahydrocannabinol (Delta 8-THC)   | 3.867    | 12.919   | ND              | ND            |   |
| Delta 9-Tetrahydrocannabinol (Delta 9-THC)   | 3.512    | 11.733   | 45.660          | 1.60          |   |
| Delta 9-Tetrahydrocannabinolic Acid (THCA-A) | 3.112    | 10.395   | ND              | ND            |   |
| Tetrahydrocannabivarin (THCV)                | 0.706    | 2.360    | <LOQ            | <LOQ          |   |
| Tetrahydrocannabivarinic Acid (THCVA)        | 2.745    | 9.169    | ND              | ND            |   |
| <b>Total Cannabinoids</b>                    |          |          | <b>1526.790</b> | <b>54.50</b>  |   |
| Total Potential THC                          |          |          | 45.660          | 1.60          |   |
| Total Potential CBD                          |          |          | 1390.390        | 49.70         |   |

**Final Approval**Karen Winternheimer  
10Aug2023  
01:53:00 PM MDT

PREPARED BY / DATE

Sam Smith  
10Aug2023  
01:55:00 PM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/88f07c41-f562-4d7b-9461-f982b0282f77>**Definitions**

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).

Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa \*(0.877)) and Total CBD = CBD + (CBDA \*(0.877)).

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## Grounded


|  |                                     |                               |                     |
|--|-------------------------------------|-------------------------------|---------------------|
| Batch ID or Lot Number:<br><b>0014WP-A</b> | Test:<br><b>Pesticides</b>          | Reported:<br><b>10Aug2023</b> | USDA License:<br>NA |
| Matrix:<br>Concentrate                     | Test ID:<br>T000251823              | Started:<br>09Aug2023         | Sampler ID:<br>NA   |
|  | Method(s):<br>TM17 (LC-QQ LC MS/MS) | Received:<br>07Aug2023        | Status:<br>NA       |

## Pesticides

| Pesticides          | Dynamic Range (ppb) | Result (ppb) |
|---------------------|---------------------|--------------|
| Abamectin           | 359 - 2672          | ND           |
| Acephate            | 42 - 2738           | ND           |
| Acetamiprid         | 40 - 2717           | ND           |
| Azoxystrobin        | 41 - 2742           | ND           |
| Bifenazate          | 37 - 2749           | ND           |
| Boscalid            | 42 - 2706           | ND           |
| Carbaryl            | 38 - 2730           | ND           |
| Carbofuran          | 39 - 2713           | ND           |
| Chlorantraniliprole | 37 - 2700           | ND           |
| Chlorpyrifos        | 44 - 2773           | ND           |
| Clofentezine        | 282 - 2718          | ND           |
| Diazinon            | 281 - 2755          | ND           |
| Dichlorvos          | 284 - 2779          | ND           |
| Dimethoate          | 39 - 2701           | ND           |
| E-Fenpyroximate     | 285 - 2744          | ND           |
| Etofenprox          | 41 - 2702           | ND           |
| Etoxazole           | 300 - 2723          | ND           |
| Fenoxycarb          | 40 - 2752           | ND           |
| Fipronil            | 25 - 2763           | ND           |
| Flonicamid          | 51 - 2752           | ND           |
| Fludioxonil         | 268 - 2721          | ND           |
| Hexythiazox         | 38 - 2724           | ND           |
| Imazalil            | 278 - 2796          | ND           |
| Imidacloprid        | 39 - 2775           | ND           |
| Kresoxim-methyl     | 38 - 2784           | ND           |

| Pesticides      | Dynamic Range (ppb) | Result (ppb) |
|-----------------|---------------------|--------------|
| Malathion       | 280 - 2745          | ND           |
| Metalaxyl       | 39 - 2748           | ND           |
| Methiocarb      | 42 - 2682           | ND           |
| Methomyl        | 40 - 2756           | ND           |
| MGK 264 1       | 183 - 1683          | ND           |
| MGK 264 2       | 116 - 1071          | ND           |
| Myclobutanil    | 26 - 2717           | ND           |
| Naled           | 44 - 2783           | ND           |
| Oxamyl          | 42 - 2744           | ND           |
| Paclobutrazol   | 40 - 2738           | ND           |
| Permethrin      | 282 - 2786          | ND           |
| Phosmet         | 38 - 2733           | ND           |
| Prophos         | 302 - 2688          | ND           |
| Propoxur        | 40 - 2711           | ND           |
| Pyridaben       | 298 - 2729          | ND           |
| Spinosad A      | 29 - 2102           | ND           |
| Spinosad D      | 65 - 670            | ND           |
| Spiromesifen    | 273 - 2741          | ND           |
| Spirotetramat   | 267 - 2765          | ND           |
| Spiroxamine 1   | 17 - 1206           | ND           |
| Spiroxamine 2   | 21 - 1493           | ND           |
| Tebuconazole    | 275 - 2736          | ND           |
| Thiacloprid     | 41 - 2726           | ND           |
| Thiamethoxam    | 41 - 2759           | ND           |
| Trifloxystrobin | 42 - 2710           | ND           |

## Final Approval



Karen Winternheimer  
10Aug2023  
11:53:00 AM MDT

PREPARED BY / DATE



Sam Smith  
10Aug2023  
12:34:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/9f625c37-8d78-42e2-9190-4666b44dbb5c>

### Definitions

ND = None Detected (defined by dynamic range of the method)  
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range  
ppb = Parts Per Billion

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.



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Sayre, PA USA 18840

## Grounded


|  |  |                               |                     |
|--|--|-------------------------------|---------------------|
| Batch ID or Lot Number:<br><b>0014WP-A</b> | Test:<br><b>Microbial Contaminants</b>                         | Reported:<br><b>11Aug2023</b> | USDA License:<br>NA |
| Matrix:<br>Finished Product                | Test ID:<br>T000251824   | Started:<br>11Aug2023         | Sampler ID:<br>NA   |
|  | Method(s):<br>TM25 (PCR) TM24, TM26, TM27<br>(Culture Plating) | Received:<br>07Aug2023        | Status:<br>NA       |

## Microbial

### Contaminants

|                       | Method                | LOD                     | Quantitation Range                        | Result        | Notes   |
|-----------------------|-----------------------|-------------------------|---|---------------|---|
| STEC                  | TM25: PCR             | 10 <sup>0</sup> CFU/25g | NA  | Absent        | Free from visual mold, mildew, and foreign matter |
| <i>Salmonella</i>     | TM25: PCR             | 10 <sup>0</sup> CFU/25g | NA  | Absent        |   |
| Total Yeast and Mold* | TM24: Culture Plating | 10 <sup>1</sup> CFU/g   | 1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup> | None Detected |   |
| Total Aerobic Count*  | TM26: Culture Plating | 10 <sup>2</sup> CFU/g   | 1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup> | None Detected |   |
| Total Coliforms*      | TM27: Culture Plating | 10 <sup>1</sup> CFU/g   | 1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup> | None Detected |   |

## Final Approval



Brianne Maillot  
11Aug2023  
09:22:00 AM MDT

PREPARED BY / DATE



Eden Thompson-Wright  
11Aug2023  
09:51:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/f1e74db6-fe79-47b5-8a49-c5ff359a1c24>

### Definitions

\* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 100,000 CFU  
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection  
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation  
STEC = Shiga Toxin-Producing E. coli

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|  |   |                               |                      |
|--|---|-------------------------------|----------------------|
| Batch ID or Lot Number:<br><b>0014WP-A</b> | Test:<br><b>Residual Solvents</b>             | Reported:<br><b>10Aug2023</b> | USDA License:<br>N/A |
| Matrix:<br>Concentrate                     | Test ID:<br>T000251826                        | Started:<br>10Aug2023         | Sampler ID:<br>N/A   |
|  | Method(s):<br>TM04 (GC-MS): Residual Solvents | Received:<br>07Aug2023        | Status:<br>Active    |

## Residual Solvents

| Residual Solvents             | Dynamic Range (ppm) | Result (ppm) | Notes |
|-------------------------------|---------------------|--------------|-------|
| Propane                       | 106 - 2112          | ND           |       |
| Butanes (Isobutane, n-Butane) | 213 - 4254          | ND           |       |
| Methanol                      | 66 - 1312           | ND           |       |
| Pentane                       | 107 - 2147          | ND           |       |
| Ethanol                       | 106 - 2126          | ND           |       |
| Acetone                       | 107 - 2134          | ND           |       |
| Isopropyl Alcohol             | 110 - 2199          | ND           |       |
| Hexane                        | 6 - 129             | ND           |       |
| Ethyl Acetate                 | 109 - 2186          | ND           |       |
| Benzene                       | 0.2 - 4.3           | ND           |       |
| Heptanes                      | 110 - 2207          | ND           |       |
| Toluene                       | 19 - 386            | ND           |       |
| Xylenes (m,p,o-Xylenes)       | 143 - 2859          | ND           |       |

## Final Approval



Karen Winternheimer  
10Aug2023  
01:08:00 PM MDT

PREPARED BY / DATE



Sam Smith  
10Aug2023  
01:10:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/4dbad37e-9aa7-4f43-b01c-87ff0bc94668>

### Definitions

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Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Sayre, PA USA 18840


## Grounded

|  |   |                               |                     |
|--|---|-------------------------------|---------------------|
| Batch ID or Lot Number:<br><b>0014WP-A</b> | Test:<br><b>Heavy Metals</b>              | Reported:<br><b>14Aug2023</b> | USDA License:<br>NA |
| Matrix:<br>Finished Product                | Test ID:<br>T000251825                    | Started:<br>11Aug2023         | Sampler ID:<br>NA   |
|  | Method(s):<br>TM19 (ICP-MS): Heavy Metals | Received:<br>07Aug2023        | Status:<br>NA       |

## Heavy Metals

|         | Dynamic Range (ppm) | Result (ppm) | Notes |
|---------|---------------------|--------------|-------|
| Arsenic | 0.05 - 4.58         | ND           |       |
| Cadmium | 0.06 - 5.74         | ND           |       |
| Mercury | 0.05 - 4.57         | ND           |       |
| Lead    | 0.06 - 5.56         | ND           |       |

## Final Approval



Sam Smith  
14Aug2023  
10:15:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer  
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<https://results.botanacor.com/api/v1/coas/uuid/0c8e642c-ab1c-43bd-8920-606e808179ed>

### Definitions

ND = None Detected (defined by dynamic range of the method)

Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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