

# Certificate of Analysis Cover Page

## Twin Arbor Analytical

3990 Ruth Way Suite D  
Paso Robles, CA 93446  
(805) 369-2123



### PREPARED FOR:

The Organica Company, LLC.  
120 I Street - Suite 301  
Sacramento, CA 95814

Report Date 5/21/2020  
Sample ID N19A  
Sample Name 1000MG Zero High Pure Iso. CBD Oil

## Results

### Analysis

#### Cannabinoids

CBD (mg/mL) **33.6**  
Total THC **PASS**

#### Pesticides and Mycotoxins

Result **PASS**

#### Residual Solvents

Result **PASS**

#### Heavy Metals

Result **PASS**

#### Microbial

Result **PASS**

#### Terpenes

Page NT

Forrest Richmond  
Laboratory Manager

NT = Not Tested

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TWIN ARBOR

### PREPARED FOR:

The Organica Company, LLC.  
120 I Street - Suite 301  
Sacramento, CA 95814

### Report Date

5/15/2020

### Sample ID

N19A

### Sample Type

1000MG Zero High Pure Iso. CBD Oil

### Internal Sample ID

200515-120-9

### Lab Batch ID

200515-1

### Date of Analysis

5/15/2020

## Analysis: Cannabinoids

Instrumentation: HPLC/DAD

Intrument ID: HPLC 1

Method: TM0002 (Twin Arbor Analytical Proprietary)

|                                  | LOD / LOQ<br>(mg/g) | mg/g        | mg/ml       |
|----------------------------------|---------------------|-------------|-------------|
| CBD                              | 0.07 / 0.2          | 35.7        | 33.9        |
| CBDA                             | 0.07 / 0.2          | ND          | ND          |
| <b>Total CBD *</b>               |                     | <b>35.7</b> | 33.9        |
| $\Delta$ 9-THC                   | 0.07 / 0.2          | ND          | ND          |
| THCA                             | 0.07 / 0.2          | ND          | ND          |
| <b>Total THC *</b>               |                     | <b>N/A</b>  | N/A         |
| CBG                              | 0.07 / 0.2          | ND          | ND          |
| CBGA                             | 0.07 / 0.2          | ND          | ND          |
| <b>Total CBG *</b>               |                     | <b>N/A</b>  | N/A         |
| CBC                              | 0.07 / 0.2          | ND          | ND          |
| CBDV                             | 0.07 / 0.2          | ND          | ND          |
| CBN                              | 0.07 / 0.2          | ND          | ND          |
| $\Delta$ 8-THC                   | 0.07 / 0.2          | ND          | ND          |
| THCV                             | 0.07 / 0.2          | ND          | ND          |
| <b>Total Tested Cannabinoids</b> |                     | <b>35.7</b> | <b>33.9</b> |

mg/ml

33.9, CBD

ND, CBDA

ND,  $\Delta$ 9-THC

ND, THCA

ND, CBG

ND, CBGA

ND, CBC

ND, CBDV

ND, CBN

ND,  $\Delta$ 8-THC

ND, THCV

Density (g/ml): 0.9483

Moisture Content: NT

ND = Not Detected

NT = Not Tested

\* Totals account for decarboxilation of the acid and equal  $XXX + (XXXXA * 0.877)$

For example: Total THC =  $\Delta$ 9-THC + (THCA \* 0.877)

Forrest Richmond  
Laboratory Manager

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### Report Date

5/21/2020

### Sample ID

N19A

### Sample Name

1000MG Zero High Pure Iso. CBD Oil

### Internal Sample ID

200515-120-9

### Lab Batch ID

200518-1

### Date of Analysis

5/18/2020

## Analysis: Pesticides and Mycotoxins

Instrumentation: LC-Mass Spectrometer

Intrument ID: LCMS 1

Method: TM0004 (Twin Arbor Analytical Proprietary)

| Mycotoxins   | Pass / Fail | Results (µg/g) | Action Limit (µg/g) | LOD / LOQ (µg/g) |
|--------------|-------------|----------------|---------------------|------------------|
| Aflatoxin B1 | Pass        | ND             | 0.02                | 0.000 / 0.001    |
| Aflatoxin B2 | Pass        | ND             | 0.02                | 0.001 / 0.004    |
| Aflatoxin G1 | Pass        | ND             | 0.02                | 0.000 / 0.001    |
| Aflatoxin G2 | Pass        | ND             | 0.02                | 0.001 / 0.004    |
| Ochratoxin A | Pass        | ND             | 0.02                | 0.004 / 0.013    |

| Category I        | Pass / Fail | Results (µg/g) | Action Limit (µg/g) | LOD / LOQ (µg/g) |
|-------------------|-------------|----------------|---------------------|------------------|
| Aldicarb          | Pass        | ND             | ND                  | 0.035 / 0.105    |
| Carbofuran        | Pass        | ND             | ND                  | 0.035 / 0.105    |
| Chlordane         | Pass        | ND             | ND                  | 0.105 / 0.315    |
| Chlorfenapyr      | Pass        | ND             | ND                  | 0.035 / 0.105    |
| Chlorpyrifos      | Pass        | ND             | ND                  | 0.035 / 0.105    |
| Coumaphos         | Pass        | ND             | ND                  | 0.035 / 0.105    |
| Daminozide        | Pass        | ND             | ND                  | 0.035 / 0.105    |
| DDVP (Dichlorvos) | Pass        | ND             | ND                  | 0.035 / 0.105    |
| Dimethoate        | Pass        | ND             | ND                  | 0.035 / 0.105    |
| Ethoprop(hos)     | Pass        | ND             | ND                  | 0.035 / 0.105    |
| Etofenprox        | Pass        | ND             | ND                  | 0.035 / 0.105    |
| Fenoxycarb        | Pass        | ND             | ND                  | 0.035 / 0.105    |
| Fipronil          | Pass        | ND             | ND                  | 0.035 / 0.105    |
| Imazalil          | Pass        | ND             | ND                  | 0.035 / 0.105    |
| Methiocarb        | Pass        | ND             | ND                  | 0.035 / 0.105    |
| Methyl parathion  | Pass        | ND             | ND                  | 0.035 / 0.105    |
| Mevinphos         | Pass        | ND             | ND                  | 0.018 / 0.053    |
| Paclobutrazol     | Pass        | ND             | ND                  | 0.035 / 0.105    |
| Propoxur          | Pass        | ND             | ND                  | 0.035 / 0.105    |
| Spiroxamine       | Pass        | ND             | ND                  | 0.035 / 0.105    |
| Thiacloprid       | Pass        | ND             | ND                  | 0.035 / 0.105    |

Continued on page 4

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# Analysis: Pesticides and Mycotoxins (continued)

Instrumentation: LC-Mass Spectrometer

Instrument ID: LCMS 1

Method: TM0004 (Twin Arbor Analytical Proprietary)

| Category II             | Pass / Fail | Results (µg/g) | Action Limit (µg/g) | LOD / LOQ (µg/g) |
|-------------------------|-------------|----------------|---------------------|------------------|
| Abamectin               | Pass        | ND             | 0.30                | 0.018 / 0.053    |
| Acephate                | Pass        | ND             | 5.00                | 0.018 / 0.053    |
| Acequinocyl             | Pass        | ND             | 4.00                | 0.018 / 0.053    |
| Acetamiprid             | Pass        | ND             | 5.00                | 0.018 / 0.053    |
| Azoxystrobin            | Pass        | ND             | 40.00               | 0.018 / 0.053    |
| Bifenazate              | Pass        | ND             | 5.00                | 0.018 / 0.053    |
| Bifenthrin              | Pass        | ND             | 0.50                | 0.018 / 0.053    |
| Boscalid                | Pass        | ND             | 10.00               | 0.018 / 0.053    |
| Captan                  | Pass        | ND             | 5.00                | 0.035 / 0.105    |
| Carbaryl                | Pass        | ND             | 0.50                | 0.018 / 0.053    |
| Chlorantraniliprole     | Pass        | ND             | 40.00               | 0.018 / 0.053    |
| Clofentezine            | Pass        | ND             | 0.50                | 0.018 / 0.053    |
| Cyfluthrin              | Pass        | ND             | 1.00                | 0.035 / 0.105    |
| Cypermethrin            | Pass        | ND             | 1.00                | 0.018 / 0.053    |
| Diazinon                | Pass        | ND             | 0.20                | 0.018 / 0.053    |
| Dimethomorph            | Pass        | ND             | 20.00               | 0.018 / 0.053    |
| Etoazole                | Pass        | ND             | 1.50                | 0.018 / 0.053    |
| Fenhexamid              | Pass        | ND             | 10.00               | 0.018 / 0.053    |
| Fenpyroximate           | Pass        | ND             | 2.00                | 0.018 / 0.053    |
| Fonicamid               | Pass        | ND             | 2.00                | 0.018 / 0.053    |
| Fludioxonil             | Pass        | ND             | 30.00               | 0.018 / 0.053    |
| Hexythiazox             | Pass        | ND             | 2.00                | 0.018 / 0.053    |
| Imidacloprid            | Pass        | ND             | 3.00                | 0.018 / 0.053    |
| Kresoxim-methyl         | Pass        | ND             | 1.00                | 0.018 / 0.053    |
| Malathion               | Pass        | ND             | 5.00                | 0.018 / 0.053    |
| Metalaxyl               | Pass        | ND             | 15.00               | 0.018 / 0.053    |
| Methomyl                | Pass        | ND             | 0.10                | 0.018 / 0.053    |
| Myclobutanil            | Pass        | ND             | 9.00                | 0.018 / 0.053    |
| Naled                   | Pass        | ND             | 0.50                | 0.018 / 0.053    |
| Oxamyl                  | Pass        | ND             | 0.20                | 0.018 / 0.053    |
| Pentachloronitrobenzene | Pass        | ND             | 0.20                | 0.018 / 0.053    |
| Permethrin              | Pass        | ND             | 20.00               | 0.018 / 0.053    |
| Phosmet                 | Pass        | ND             | 0.20                | 0.018 / 0.053    |
| Piperonylbutoxide       | Pass        | ND             | 8.00                | 0.018 / 0.053    |
| Prallethrin             | Pass        | ND             | 0.40                | 0.018 / 0.053    |
| Propiconazole           | Pass        | ND             | 20.00               | 0.018 / 0.053    |
| Pyrethrins              | Pass        | ND             | 1.00                | 0.018 / 0.053    |
| Pyridaben               | Pass        | ND             | 3.00                | 0.018 / 0.053    |
| Spinetoram              | Pass        | ND             | 3.00                | 0.018 / 0.053    |
| Spinosad                | Pass        | ND             | 3.00                | 0.018 / 0.053    |
| Spiromesifen            | Pass        | ND             | 12.00               | 0.018 / 0.053    |
| Spirotetramat           | Pass        | ND             | 13.00               | 0.018 / 0.053    |
| Tebuconazole            | Pass        | ND             | 2.00                | 0.018 / 0.053    |
| Thiamethoxam            | Pass        | ND             | 4.50                | 0.018 / 0.053    |
| Trifloxystrobin         | Pass        | ND             | 30.00               | 0.018 / 0.053    |

LOD = Limit of Detection

LOQ = Limit of Quantification

ND = Not Detected

NT = Not Tested



Forrest Richmond  
Laboratory Manager

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### Report Date

5/21/2020

### Sample ID

N19A

### Sample Name

1000MG Zero High Pure Iso. CBD Oil

### Internal Sample ID

200515-120-9

### Lab Batch ID

200519-1

### Date of Analysis

5/19/2020

## Analysis: Residual Solvents

Instrumentation: GC-MS

Intrument ID: GCMS1

Method: TM0006 (Twin Arbor Analytical Proprietary)

|   | Pass / Fail | Results (µg/g) | Action Limit (µg/g) | LOQ (µg/g) |
|---|-------------|----------------|---------------------|------------|
| 1,2-Dichloroethane                      | PASS        | < LOQ          | 1.0                 | 0.77       |
| Benzene                                 | PASS        | < LOQ          | 1.0                 | 0.77       |
| Chloroform                              | PASS        | < LOQ          | 1.0                 | 0.77       |
| Ethylene oxide                          | PASS        | < LOQ          | 1.0                 | 0.77       |
| Methylene chloride                      | PASS        | < LOQ          | 1.0                 | 0.77       |
| Trichloroethylene                       | PASS        | < LOQ          | 1.0                 | 0.77       |
| Acetone                                 | PASS        | 27.043         | 5000                | 2.3        |
| Acetonitrile                            | PASS        | < LOQ          | 410                 | 6.26       |
| Butane                                  | PASS        | < LOQ          | 5000                | 0.77       |
| Ethanol                                 | PASS        | < LOQ          | 5000                | 2.3        |
| Ethyl acetate                           | PASS        | < LOQ          | 5000                | 0.77       |
| Ethyl ether                             | PASS        | < LOQ          | 5000                | 0.77       |
| Heptane                                 | PASS        | < LOQ          | 5000                | 0.77       |
| Hexane                                  | PASS        | < LOQ          | 290                 | 2.3        |
| Isopropyl alcohol                       | PASS        | 54.518         | 5000                | 2.3        |
| Methanol                                | PASS        | 473.803        | 3000                | 6.91       |
| Pentane                                 | PASS        | < LOQ          | 5000                | 2.3        |
| Propane                                 | PASS        | < LOQ          | 5000                | 20.74      |
| Toluene                                 | PASS        | < LOQ          | 890                 | 0.77       |
| Total xylenes<br>(ortho-, meta-, para-) | PASS        | < LOQ          | 2170                | 0.77       |



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Laboratory Manager

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5/21/2020

### Sample ID

N19A

### Sample Name

1000MG Zero High Pure Iso. CBD Oil

### Internal Sample ID

200515-120-9

### Lab Batch ID

200519-1

### Date of Analysis

5/20/2020

## Analysis: Heavy Metals

Instrumentation: ICP-MS

Intrument ID: ICPMS1

Method: TM0005 (Twin Arbor Analytical Proprietary)

|         | Pass / Fail | Results<br>( $\mu\text{g/g}$ ) | Action Limit<br>( $\mu\text{g/g}$ ) | LOQ<br>( $\mu\text{g/g}$ ) |
|---------|-------------|--------------------------------|-------------------------------------|----------------------------|
| Arsenic | PASS        | < LOQ                          | 0.2                                 | 0.1                        |
| Cadmium | PASS        | < LOQ                          | 0.2                                 | 0.1                        |
| Lead    | PASS        | < LOQ                          | 0.5                                 | 0.1                        |
| Mercury | PASS        | < LOQ                          | 0.1                                 | 0.1                        |

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### Sample ID

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### Sample Type

1000MG Zero High Pure Iso. CBD Oil

### Internal Sample ID

200515-120-9

### Lab Batch ID

200519-1

### Date of Analysis

5/18/2020

## Analysis: Microbial Impurities

Instrumentation: RT-PCR    Instrument ID: BAX1    Method: AOAC-RI 091301 (modified)

|                                | Action Limit | Pass / Fail |
|--------------------------------|--------------|-------------|
| STEC (Shiga-toxigenic E. coli) | ND           | PASS        |
| Salmonella sp.                 | ND           | PASS        |
| Pathogenic Aspergillus         | ND           | NT          |



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