



CanMedLabs  
32 Mauchly  
Irvine, CA 92618

(833) 682-6868  
https://www.canmedlabs.com  
Lic# C8-0000061-LIC

# 1000mg Citrus - Zen - 19267C

Sample ID: 1910CML0122.0439  
Strain: 1000mg Citrus  
Matrix: Other  
Type: Other  
Sample Size: 1 units; Batch: 30 g

Produced:  
Collected: 09/26/2019  
Received: 09/27/2019  
Completed: 10/02/2019  
Batch#: B19G14

Client  
**Natural Hemp Company**  
Lic. #  
69605 Centinela  
Culver City, TN 90230



## Summary

| Test              | Date Tested | Result         |
|-------------------|-------------|----------------|
| Batch             |             | Pass           |
| Cannabinoids      | 10/01/2019  | Complete       |
| Water Activity    | 10/01/2019  | 0.49 aw - Pass |
| Terpenes          | 10/01/2019  | Complete       |
| Residual Solvents | 10/01/2019  | Pass           |
| Microbials        | 10/01/2019  | Pass           |
| Mycotoxins        | 10/01/2019  | Pass           |
| Pesticides        | 10/01/2019  | Pass           |
| Heavy Metals      | 10/01/2019  | Pass           |
| Foreign Matter    | 10/01/2019  | Pass           |

## Cannabinoids

Complete

|                      |                       |                       |
|----------------------|-----------------------|-----------------------|
| <b>0.00883 mg/mL</b> | <b>32.64240 mg/mL</b> | <b>32.66586 mg/mL</b> |
| Total THC            | Total CBD             | Total Cannabinoids    |

| Analyte          | LOD     | LOQ     | Result          | Result          |
|------------------|---------|---------|-----------------|-----------------|
|                  | mg/mL   | mg/mL   | mg/mL           | mg/g            |
| THCa             | 0.00009 | 0.00047 | ND              | ND              |
| Δ9-THC           | 0.00009 | 0.00047 | 0.00883         | 0.00932         |
| Δ8-THC           | 0.00009 | 0.00047 | 0.00785         | 0.00828         |
| THCV             | 0.00009 | 0.00047 | ND              | ND              |
| CBDa             | 0.00009 | 0.00047 | 0.00101         | 0.00107         |
| CBD              | 0.00009 | 0.00047 | 32.64151        | 34.44157        |
| CBN              | 0.00009 | 0.00047 | 0.00048         | 0.00051         |
| CBGa             | 0.00009 | 0.00047 | ND              | ND              |
| CBG              | 0.00009 | 0.00047 | 0.00568         | 0.00599         |
| CBC              | 0.00009 | 0.00047 | 0.00050         | 0.00053         |
| <b>Total THC</b> |         |         | <b>0.00883</b>  | <b>0.00932</b>  |
| <b>Total CBD</b> |         |         | <b>32.64240</b> | <b>34.44250</b> |
| <b>Total</b>     |         |         | <b>32.66586</b> | <b>34.46726</b> |

1 mL = 0.947735849g.

Total THC = THCa \* 0.877 + Δ9-THC; Total CBD = CBDa \* 0.877 + CBD; LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Analytical Method: HPLC; SOP: HPLC-001-200



Jennifer Knaack - Laboratory Director  
10/02/2019

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Moisture Analytical Method: Moisture Balance; SOP: MOS-001-00; Foreign Material Analytical Method: Visual Inspection; SOP: FM-001-00; Water Activity Analytical Method: Novasina LabMaster-aw Neo; SOP: WA-001-00. All Laboratory Quality Control samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730. Values reported relate only to the product tested. CanMed Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of CanMed Labs.



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Regulatory Compliance Testing

**Informational Use Only - Not For Regulatory Use**

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## Pesticides

Pass

| Analyte             | LOD    | LOQ  | Limit  | Mass | Status | Analyte                 | LOD    | LOQ  | Limit  | Mass | Status |
|---------------------|--------|------|--------|------|--------|-------------------------|--------|------|--------|------|--------|
|                     | µg/g   | µg/g | µg/g   | µg/g |        |                         | µg/g   | µg/g | µg/g   | µg/g |        |
| Abamectin           | 0.025  | 0.1  | 0.1    | ND   | Pass   | Fludioxonil             | 0.0125 | 0.1  | 0.1    | ND   | Pass   |
| Acephate            | 0.0125 | 0.1  | 0.1    | ND   | Pass   | Hexythiazox             | 0.0125 | 0.1  | 0.1    | ND   | Pass   |
| Acequinocyl         | 0.05   | 0.1  | 0.1    | ND   | Pass   | Imazalil                | 0.0125 | 0.1  | 0.0125 | ND   | Pass   |
| Acetamiprid         | 0.0125 | 0.1  | 0.1    | ND   | Pass   | Imidacloprid            | 0.0125 | 0.1  | 5      | ND   | Pass   |
| Aldicarb            | 0.0125 | 0.1  | 0.0125 | ND   | Pass   | Kresoxim Methyl         | 0.0125 | 0.1  | 0.1    | ND   | Pass   |
| Azoxystrobin        | 0.0125 | 0.1  | 0.1    | ND   | Pass   | Malathion               | 0.0125 | 0.1  | 0.5    | ND   | Pass   |
| Bifenazate          | 0.0125 | 0.1  | 0.1    | ND   | Pass   | Metalaxyl               | 0.0125 | 0.1  | 2      | ND   | Pass   |
| Bifenthrin          | 0.0125 | 0.1  | 3      | ND   | Pass   | Methiocarb              | 0.0125 | 0.1  | 0.0125 | ND   | Pass   |
| Boscalid            | 0.0125 | 0.1  | 0.1    | ND   | Pass   | Methomyl                | 0.0125 | 0.1  | 1      | ND   | Pass   |
| Captan              | 0.0175 | 0.7  | 0.7    | ND   | Pass   | Methyl Parathion        | 0.025  | 0.1  | 0.025  | ND   | Pass   |
| Carbaryl            | 0.05   | 0.1  | 0.5    | ND   | Pass   | Mevinphos               | 0.0125 | 0.1  | 0.0125 | ND   | Pass   |
| Carbofuran          | 0.0125 | 0.1  | 0.0125 | ND   | Pass   | Myclobutanil            | 0.0125 | 0.1  | 0.1    | ND   | Pass   |
| Chlorantraniliprole | 0.0125 | 0.1  | 10     | ND   | Pass   | Naled                   | 0.0125 | 0.1  | 0.1    | ND   | Pass   |
| Chlordane           | 0.025  | 0.1  | 0.025  | ND   | Pass   | Oxamyl                  | 0.0125 | 0.1  | 0.5    | ND   | Pass   |
| Chlorfenapyr        | 0.01   | 0.1  | 0.01   | ND   | Pass   | Pacllobutrazol          | 0.0125 | 0.1  | 0.0125 | ND   | Pass   |
| Chlorpyrifos        | 0.0125 | 0.1  | 0.0125 | ND   | Pass   | Pentachloronitrobenzene | 0.01   | 0.1  | 0.1    | ND   | Pass   |
| Clofentezine        | 0.0125 | 0.1  | 0.1    | ND   | Pass   | Permethrin              | 0.0125 | 0.1  | 0.5    | ND   | Pass   |
| Coumaphos           | 0.0125 | 0.1  | 0.0125 | ND   | Pass   | Phosmet                 | 0.0125 | 0.1  | 0.1    | ND   | Pass   |
| Cyfluthrin          | 0.075  | 0.3  | 2      | ND   | Pass   | Piperonyl Butoxide      | 0.0125 | 0.1  | 3      | ND   | Pass   |
| Cypermethrin        | 0.075  | 0.3  | 1      | ND   | Pass   | Prallethrin             | 0.05   | 0.1  | 0.1    | ND   | Pass   |
| Daminozide          | 0.05   | 0.1  | 0.05   | ND   | Pass   | Propiconazole           | 0.0125 | 0.1  | 0.1    | ND   | Pass   |
| DDVP                | 0.025  | 0.1  | 0.025  | ND   | Pass   | Propoxur                | 0.0125 | 0.1  | 0.0125 | ND   | Pass   |
| Diazinon            | 0.0125 | 0.1  | 0.1    | ND   | Pass   | Pyrethrins              | 0.075  | 0.1  | 0.5    | ND   | Pass   |
| Dimethoate          | 0.0125 | 0.1  | 0.0125 | ND   | Pass   | Pyridaben               | 0.0125 | 0.1  | 0.1    | ND   | Pass   |
| Dimethomorph        | 0.0125 | 0.1  | 2      | ND   | Pass   | Spinetoram              | 0.0125 | 0.1  | 0.1    | ND   | Pass   |
| Ethoprophos         | 0.0125 | 0.1  | 0.0125 | ND   | Pass   | Spinosad                | 0.0125 | 0.1  | 0.1    | ND   | Pass   |
| Etofenprox          | 0.0125 | 0.1  | 0.0125 | ND   | Pass   | Spiromesifen            | 0.025  | 0.1  | 0.1    | ND   | Pass   |
| Etoazole            | 0.0125 | 0.1  | 0.1    | ND   | Pass   | Spirotetramat           | 0.0125 | 0.1  | 0.1    | ND   | Pass   |
| Fenhexamid          | 0.0125 | 0.1  | 0.1    | ND   | Pass   | Spiroxamine             | 0.0125 | 0.1  | 0.0125 | ND   | Pass   |
| Fenoxycarb          | 0.0125 | 0.1  | 0.0125 | ND   | Pass   | Tebuconazole            | 0.0125 | 0.1  | 0.1    | ND   | Pass   |
| Fenpyroximate       | 0.0125 | 0.1  | 0.1    | ND   | Pass   | Thiacloprid             | 0.0125 | 0.1  | 0.0125 | ND   | Pass   |
| Fipronil            | 0.0125 | 0.1  | 0.0125 | ND   | Pass   | Thiamethoxam            | 0.0125 | 0.1  | 5      | ND   | Pass   |
| Fonicamid           | 0.0125 | 0.1  | 0.1    | ND   | Pass   | Trifloxystrobin         | 0.0125 | 0.1  | 0.1    | ND   | Pass   |

Date Tested: 10/01/2019

LOQ = Limit of Quantitation; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Analytical Method: LCMS/MS & GCMS; SOP: LCMSPEF-001.200, LCMSPEO-001-200 & GCPES-001.200



Jennifer Knaack - Laboratory Director  
10/02/2019

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## Residual Solvents

Pass

| Analyte             | LOD   | LOQ  | Limit | Mass    | Status |
|---------------------|-------|------|-------|---------|--------|
|                     | µg/g  | µg/g | µg/g  | µg/g    |        |
| 1,2-Dichloro-Ethane | 0.36  | 0.96 | 1     | ND      | Pass   |
| Acetone             | 0.24  | 0.96 | 5000  | 2.270   | Pass   |
| Acetonitrile        | 0.06  | 0.96 | 410   | <LOQ    | Pass   |
| Benzene             | 0.36  | 0.96 | 1     | ND      | Pass   |
| Butane              | 0.375 | 6    | 5000  | <LOQ    | Pass   |
| Chloroform          | 0.36  | 0.96 | 1     | ND      | Pass   |
| Ethanol             | 0.12  | 0.96 | 5000  | <LOQ    | Pass   |
| Ethyl-Acetate       | 0.36  | 0.96 | 5000  | 195.236 | Pass   |
| Ethyl-Ether         | 0.12  | 0.96 | 5000  | ND      | Pass   |
| Ethylene Oxide      | 0.36  | 0.72 | 1     | ND      | Pass   |
| Heptane             | 0.36  | 0.96 | 5000  | ND      | Pass   |
| Isopropanol         | 0.12  | 0.96 | 5000  | 2.614   | Pass   |
| Methanol            | 0.24  | 0.96 | 3000  | <LOQ    | Pass   |
| Methylene-Chloride  | 0.36  | 0.96 | 1     | ND      | Pass   |
| n-Hexane            | 0.12  | 0.96 | 290   | 1.339   | Pass   |
| Pentane             | 0.48  | 0.96 | 5000  | 1.339   | Pass   |
| Propane             | 1.2   | 2.4  | 5000  | ND      | Pass   |
| Toluene             | 0.36  | 0.96 | 890   | ND      | Pass   |
| Trichloroethene     | 0.36  | 0.96 | 1     | ND      | Pass   |
| Xylenes             | 0.12  | 1.92 | 2170  | ND      | Pass   |

Date Tested: 10/01/2019

LOQ = Limit of Quantitation; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Analytical Method: GCMS; SOP: GCRS-001.200



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## Microbials

Pass

| Analyte                       | Result             | Status |
|-------------------------------|--------------------|--------|
| Aspergillus flavus            | Not Detected in 1g | Pass   |
| Aspergillus fumigatus         | Not Detected in 1g | Pass   |
| Aspergillus niger             | Not Detected in 1g | Pass   |
| Aspergillus terreus           | Not Detected in 1g | Pass   |
| Shiga toxin-producing E. Coli | Not Detected in 1g | Pass   |
| Salmonella                    | Not Detected in 1g | Pass   |

Date Tested: 10/01/2019

TNTC = Too Numerous to Count; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Analytical Method: Pathogen DXV; SOP: PCR-001-00

## Mycotoxins

Pass

| Analyte          | LOD    | LOQ   | Limit | Units | Status |
|------------------|--------|-------|-------|-------|--------|
|                  | µg/kg  | µg/kg | µg/kg | µg/kg |        |
| B1               | 0.0025 | 0.005 |       | ND    | Tested |
| B2               | 0.0025 | 0.005 |       | ND    | Tested |
| G1               | 0.0025 | 0.005 |       | ND    | Tested |
| G2               | 0.0025 | 0.005 |       | ND    | Tested |
| Total Aflatoxins | 0.0025 | 0.005 | 20    | ND    | Pass   |
| Ochratoxin A     | 0.0025 | 0.005 | 20    | ND    | Pass   |

Date Tested: 10/01/2019

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## Heavy Metals

Pass

| Analyte | LOD  | LOQ  | Limit | Units | Status |
|---------|------|------|-------|-------|--------|
|         | µg/g | µg/g | µg/g  | µg/g  |        |
| Arsenic | 0.01 | 0.05 | 0.2   | ND    | Pass   |
| Cadmium | 0.01 | 0.05 | 0.2   | ND    | Pass   |
| Lead    | 0.01 | 0.05 | 0.5   | <LOQ  | Pass   |
| Mercury | 0.01 | 0.05 | 0.1   | ND    | Pass   |

Date Tested: 10/01/2019

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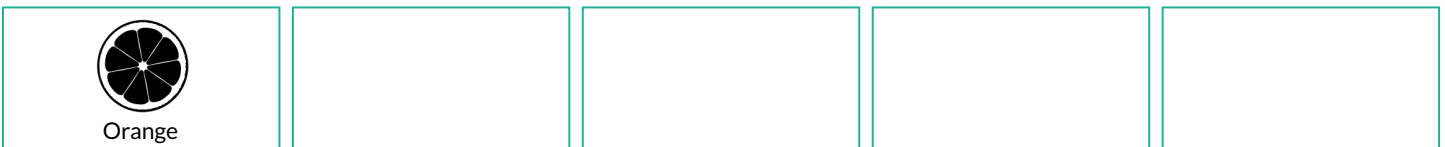
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## Terpenes

| Analyte              | LOD    | LOQ  | Mass | Mass  |
|----------------------|--------|------|------|-------|
|                      | mg/g   | mg/g | mg/g | %     |
| R(+)-Limonene        | 0.0100 | 0.08 | 5.62 | 0.562 |
| 3-Carene             | 0.0100 | 0.08 | ND   | ND    |
| α-Bisabolol          | 0.0200 | 0.08 | ND   | ND    |
| α-Cedrene            | 0.0100 | 0.08 | ND   | ND    |
| α-Humulene           | 0.0100 | 0.08 | ND   | ND    |
| α-Phellandrene       | 0.0100 | 0.08 | ND   | ND    |
| α-Pinene             | 0.0100 | 0.08 | <LOQ | <LOQ  |
| α-Terpinene          | 0.0100 | 0.08 | ND   | ND    |
| β-Caryophyllene      | 0.0200 | 0.08 | ND   | ND    |
| β-Myrcene            | 0.0100 | 0.08 | <LOQ | <LOQ  |
| β-Pinene             | 0.0100 | 0.08 | <LOQ | <LOQ  |
| Borneol              | 0.0100 | 0.08 | ND   | ND    |
| Camphene             | 0.0100 | 0.08 | ND   | ND    |
| Camphor              | 0.0100 | 0.08 | ND   | ND    |
| Cedrol               | 0.0200 | 0.08 | ND   | ND    |
| cis-Nerolidol        | 0.0200 | 0.08 | ND   | ND    |
| Endo-Fenchyl Alcohol | 0.0100 | 0.08 | ND   | ND    |

| Analyte          | LOD    | LOQ  | Mass        | Mass         |
|------------------|--------|------|-------------|--------------|
|                  | mg/g   | mg/g | mg/g        | %            |
| Eucalyptol       | 0.0100 | 0.08 | ND          | ND           |
| γ-Terpinene      | 0.0100 | 0.08 | <LOQ        | <LOQ         |
| γ-Terpineol      | 0.0800 | 0.08 | ND          | ND           |
| Geraniol         | 0.0400 | 0.08 | ND          | ND           |
| Geranyl Acetate  | 0.0200 | 0.08 | ND          | ND           |
| Guaïol           | 0.0200 | 0.08 | ND          | ND           |
| Hexahydro Thymol | 0.0200 | 0.08 | ND          | ND           |
| Isoborneol       | 0.0100 | 0.08 | ND          | ND           |
| Isopulegol       | 0.0400 | 0.08 | ND          | ND           |
| Linalool         | 0.0200 | 0.08 | ND          | ND           |
| Nerol            | 0.0400 | 0.08 | ND          | ND           |
| Ocimene          |        | 0.08 | ND          | ND           |
| Pulegone         | 0.0200 | 0.08 | ND          | ND           |
| Sabinene         | 0.0100 | 0.08 | <LOQ        | <LOQ         |
| Terpinolene      | 0.0100 | 0.08 | <LOQ        | <LOQ         |
| trans-Nerolidol  | 0.0400 | 0.08 | ND          | ND           |
| Valencene        | 0.0200 | 0.08 | ND          | ND           |
| <b>Total</b>     |        |      | <b>5.62</b> | <b>0.562</b> |

## Primary Aromas



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