

Sample Name: CBD OIL RELAX 500  
 LIMS Sample ID: 190719L012  
 Batch #:  
 Sample Metric ID:  
 Sample Type: Infused, Liquid Edible  
 Batch Count:  
 Sample Count:  
 Unit Volume: 30 Milliliters per Unit  
 Serving Mass:  
 Density: 0.9485 g/mL

Date Collected: 07/19/2019  
 Date Received: 07/20/2019  
 Tested for: Leafwize Naturals  
 License #:  
 Address:  
 Produced by:  
 License #:  
 Address:

**Overall result for batch: Pass**

## Moisture Test Results

Moisture **Results (%)**  
 NT

## Water Activity Test Results

Water Activity **Results (Aw)** **Action Limit Aw**  
 NT

## Cannabinoid Test Results

07/22/2019

Cannabinoid analysis utilizing High Performance Liquid Chromatography (HPLC, QSP 5-4-4-4)

|                              | mg/mL         | %             | LOD / LOQ mg/mL        |
|------------------------------|---------------|---------------|------------------------|
| Δ9THC                        | 0.728         | 0.0768        | 0.0009 / 0.003         |
| THCa                         | ND            | ND            | 0.0009 / 0.003         |
| CBD                          | 18.067        | 1.9048        | 0.0009 / 0.003         |
| CBDa                         | ND            | ND            | 0.0009 / 0.003         |
| CBN                          | 0.045         | 0.0047        | 0.0009 / 0.003         |
| CBDV                         | 0.078         | 0.0082        | 0.0004 / 0.001         |
| CBDVa                        | ND            | ND            | 0.0003 / 0.001         |
| CBG                          | 0.377         | 0.0397        | 0.001 / 0.003          |
| CBGa                         | ND            | ND            | 0.0008 / 0.002         |
| THCV                         | ND            | ND            | 0.0004 / 0.001         |
| Δ8THC                        | ND            | ND            | 0.0009 / 0.003         |
| CBC                          | 0.334         | 0.0352        | 0.0011 / 0.003         |
| THCVa                        | ND            | ND            | 0.0013 / 0.004         |
| CBL                          | ND            | ND            | 0.0021 / 0.006         |
| CBCa                         | ND            | ND            | 0.0015 / 0.005         |
| <b>Sum of Cannabinoids:</b>  | <b>19.629</b> | <b>2.0695</b> | <b>588.870 mg/Unit</b> |
| Total THC (Δ9THC+0.877*THCa) | 0.728         | 0.0768        | 21.840 mg/Unit         |
| Total CBD (CBD+0.877*CBDa)   | 18.067        | 1.9048        | 542.010 mg/Unit        |

Δ9THC per Unit **Action Limit mg**  
 Δ9THC per Serving 1000.0 **Pass** **21.840 mg/Unit**

## Batch Photo



## Terpene Test Results

07/21/2019

Terpene analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

|                     | mg/g  | %      | LOD / LOQ mg/g |
|---------------------|-------|--------|----------------|
| Pinene              | ND    | ND     | 0.022 / 0.067  |
| Camphene            | ND    | ND     | 0.027 / 0.08   |
| Sabinene            | ND    | ND     | 0.027 / 0.082  |
| Pinene              | ND    | ND     | 0.027 / 0.081  |
| Myrcene             | ND    | ND     | 0.027 / 0.082  |
| Phellandrene        | ND    | ND     | 0.037 / 0.111  |
| 3 Carene            | ND    | ND     | 0.029 / 0.087  |
| Terpinene           | ND    | ND     | 0.03 / 0.09    |
| Limonene            | 0.157 | 0.0157 | 0.013 / 0.039  |
| Eucalyptol          | ND    | ND     | 0.021 / 0.063  |
| Ocimene             | ND    | ND     | 0.028 / 0.085  |
| Terpinene           | ND    | ND     | 0.03 / 0.09    |
| Sabinene Hydrate    | ND    | ND     | 0.018 / 0.054  |
| Fenchone            | ND    | ND     | 0.03 / 0.092   |
| Terpinolene         | ND    | ND     | 0.022 / 0.067  |
| Linalool            | 0.285 | 0.0285 | 0.019 / 0.058  |
| Fenchol             | ND    | ND     | 0.023 / 0.069  |
| (-)-Isopulegol      | ND    | ND     | 0.013 / 0.04   |
| Camphor             | ND    | ND     | 0.054 / 0.163  |
| Isoborneol          | ND    | ND     | 0.033 / 0.101  |
| Borneol             | ND    | ND     | 0.048 / 0.146  |
| Menthol             | ND    | ND     | 0.022 / 0.067  |
| Terpineol           | ND    | ND     | 0.022 / 0.068  |
| Nerol               | ND    | ND     | 0.023 / 0.068  |
| R-(+)-Pulegone      | ND    | ND     | 0.022 / 0.068  |
| Geraniol            | 0.11  | 0.011  | 0.017 / 0.05   |
| Geranyl Acetate     | 0.107 | 0.0107 | 0.016 / 0.048  |
| Cedrene             | ND    | ND     | 0.017 / 0.051  |
| Caryophyllene       | 0.147 | 0.0147 | 0.018 / 0.054  |
| Humulene            | 0.085 | 0.0085 | 0.013 / 0.038  |
| Valencene           | ND    | ND     | 0.008 / 0.023  |
| Nerolidol           | ND    | ND     | 0.035 / 0.106  |
| Caryophyllene Oxide | ND    | ND     | 0.028 / 0.084  |
| Guaiol              | ND    | ND     | 0.022 / 0.066  |
| Cedrol              | ND    | ND     | 0.029 / 0.086  |
| Bisabolol           | 0.105 | 0.0105 | 0.017 / 0.051  |

**Total Terpene Concentration: 0.996 0.0996**

## Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019  
 Authority: Section 26013, Business and Professions Code.  
 Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



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Josh Wurzer, President

Date: 07/22/2019

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**Overall result for batch: Pass**

## Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry

|                         | Results (µg/g) | Action Limit µg/g | LOD / LOQ µg/g |
|-------------------------|----------------|-------------------|----------------|
| Abamectin               | NT             |                   |                |
| Acephate                | NT             |                   |                |
| Acequinocyl             | NT             |                   |                |
| Acetamiprid             | NT             |                   |                |
| Azoxystrobin            | NT             |                   |                |
| Bifenazate              | NT             |                   |                |
| Bifenthrin              | NT             |                   |                |
| Boscalid                | NT             |                   |                |
| Captan                  | NT             |                   |                |
| Carbaryl                | NT             |                   |                |
| Chlorantraniliprole     | NT             |                   |                |
| Clofentezine            | NT             |                   |                |
| Cyfluthrin              | NT             |                   |                |
| Cypermethrin            | NT             |                   |                |
| Diazinon                | NT             |                   |                |
| Dimethomorph            | NT             |                   |                |
| Etoxazole               | NT             |                   |                |
| Fenhexamid              | NT             |                   |                |
| Fenpyroximate           | NT             |                   |                |
| Fonicamid               | NT             |                   |                |
| Fludioxonil             | NT             |                   |                |
| Hexythiazox             | NT             |                   |                |
| Imidacloprid            | NT             |                   |                |
| Kresoxim-methyl         | NT             |                   |                |
| Malathion               | NT             |                   |                |
| Metalaxyl               | NT             |                   |                |
| Methomyl                | NT             |                   |                |
| Myclobutanil            | NT             |                   |                |
| Naled                   | NT             |                   |                |
| Oxamyl                  | NT             |                   |                |
| Pentachloronitrobenzene | NT             |                   |                |
| Permethrin              | NT             |                   |                |
| Phosmet                 | NT             |                   |                |
| Piperonylbutoxide       | NT             |                   |                |
| Prallethrin             | NT             |                   |                |
| Propiconazole           | NT             |                   |                |
| Pyrethrins              | NT             |                   |                |
| Pyridaben               | NT             |                   |                |
| Spinetoram              | NT             |                   |                |
| Spinosad                | NT             |                   |                |
| Spiromesifen            | NT             |                   |                |
| Spirotetramat           | NT             |                   |                |
| Tebuconazole            | NT             |                   |                |
| Thiamethoxam            | NT             |                   |                |
| Trifloxystrobin         | NT             |                   |                |

## Mycotoxin Test Results

Mycotoxin analysis utilizing HPLC-Mass Spectrometry

|                          | Results (µg/kg) | Action Limit µg/kg | LOD / LOQ µg/kg |
|--------------------------|-----------------|--------------------|-----------------|
| Aflatoxin B1, B2, G1, G2 | NT              |                    |                 |
| Ochratoxin A             | NT              |                    |                 |

## Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry

|                   | Results (µg/g) | Action Limit µg/g | LOD / LOQ µg/g |
|-------------------|----------------|-------------------|----------------|
| Aldicarb          | NT             |                   |                |
| Carbofuran        | NT             |                   |                |
| Chlordane         | NT             |                   |                |
| Chlorfenapyr      | NT             |                   |                |
| Chlorpyrifos      | NT             |                   |                |
| Coumaphos         | NT             |                   |                |
| Daminozide        | NT             |                   |                |
| DDVP (Dichlorvos) | NT             |                   |                |
| Dimethoate        | NT             |                   |                |
| Ethoprop(hos)     | NT             |                   |                |
| Etofenprox        | NT             |                   |                |
| Fenoxycarb        | NT             |                   |                |
| Fipronil          | NT             |                   |                |
| Imazalil          | NT             |                   |                |
| Methiocarb        | NT             |                   |                |
| Methyl parathion  | NT             |                   |                |
| Mevinphos         | NT             |                   |                |
| Padlobutrazol     | NT             |                   |                |
| Propoxur          | NT             |                   |                |
| Spiroxamine       | NT             |                   |                |
| Thiacloprid       | NT             |                   |                |

## Heavy Metal Test Results

Heavy metal analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

|         | Results (µg/g) | Action Limit µg/g | LOD / LOQ µg/g |
|---------|----------------|-------------------|----------------|
| Cadmium | NT             |                   |                |
| Lead    | NT             |                   |                |
| Arsenic | NT             |                   |                |
| Mercury | NT             |                   |                |

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 Josh Wurzer, President  
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**Overall result for batch: Pass**

## Residual Solvent Test Results

Residual Solvent analysis utilizing Gas Chromatography - Mass Spectrometry (GC - MS)

|                    | Results (µg/g) | Action Limit µg/g | LOD / LOQ µg/g |
|--------------------|----------------|-------------------|----------------|
| 1,2-Dichloroethane | NT             |                   |                |
| Benzene            | NT             |                   |                |
| Chloroform         | NT             |                   |                |
| Ethylene Oxide     | NT             |                   |                |
| Methylene chloride | NT             |                   |                |
| Trichloroethylene  | NT             |                   |                |
| Acetone            | NT             |                   |                |
| Acetonitrile       | NT             |                   |                |
| Butane             | NT             |                   |                |
| Ethanol            | NT             |                   |                |
| Ethyl acetate      | NT             |                   |                |
| Ethyl ether        | NT             |                   |                |
| Heptane            | NT             |                   |                |
| Hexane             | NT             |                   |                |
| Isopropyl Alcohol  | NT             |                   |                |
| Methanol           | NT             |                   |                |
| Pentane            | NT             |                   |                |
| Propane            | NT             |                   |                |
| Toluene            | NT             |                   |                |
| Total Xylenes      | NT             |                   |                |

## Note

## Microbiological Test Results

PCR and fluorescence detection of microbiological impurities

|  | Results | Action Limit |
|--|---------|--------------|
| Shiga toxin-producing Escherichia coli | NT      |              |
| Salmonella spp.                        | NT      |              |
| Aspergillus fumigatus                  | NT      |              |
| Aspergillus flavus                     | NT      |              |
| Aspergillus niger                      | NT      |              |
| Aspergillus terreus                    | NT      |              |

## Foreign Material Test Results


NT

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