

# Certificate of Analysis

Sample Name: CBD DISTILLERY  
 LIMS Sample ID: 190411W007  
 Batch #:  
 Sample Metric ID:  
 Sample Type: Infused, Liquid Edible  
 Batch Count:  
 Sample Count:  
 Unit Volume: 30 Milliliters per Unit  
 Serving Mass:  
 Density: 0.9322 g/mL

Date Collected: 04/11/2019  
 Date Received: 04/11/2019  
 Tested for: Orozco Co  
 License #:  
 Address:  
 Produced by:  
 License #:  
 Address:  
 Overall result for batch:

## Moisture Test Results

| Moisture | %<br>NT |
|----------|---------|
|          |         |

## Cannabinoid Test Results

04/14/2019

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

|          | mg/mL  | %      | LOD mg/mL | LOQ mg/mL |
|----------|--------|--------|-----------|-----------|
| THC      | 1.434  | 0.1538 | 0.0009    | 0.003     |
| THCa     | ND     | ND     | 0.0009    | 0.003     |
| CBD      | 18.634 | 1.9989 | 0.0009    | 0.003     |
| CBDa     | 0.193  | 0.0207 | 0.0009    | 0.003     |
| CBN      | ND     | ND     | 0.0009    | 0.003     |
| CBDV     | 0.175  | 0.0188 | 0.0004    | 0.001     |
| CBDVa    | ND     | ND     | 0.0003    | 0.001     |
| CBG      | 0.758  | 0.0813 | 0.001     | 0.003     |
| CBGa     | ND     | ND     | 0.0008    | 0.002     |
| THCV     | 0.037  | 0.0040 | 0.0004    | 0.001     |
| Δ8 - THC | ND     | ND     | 0.0009    | 0.003     |
| CBC      | 0.680  | 0.0729 | 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     |

| Sum of Cannabinoids:         | 21.911 | 2.3505 | 657.330 mg/Unit |  |
|------------------------------|--------|--------|-----------------|--|
| Total THC (Δ9THC+0.877*THCa) | 1.434  | 0.1538 | 43.020 mg/Unit  |  |
| Total CBD (CBD+0.877*CBDa)   | 18.803 | 2.0171 | 564.090 mg/Unit |  |

|                 | Action Limit mg |                |
|-----------------|-----------------|----------------|
| THC per Unit    | 1000.0          | 43.020 mg/Unit |
| THC per Serving |                 |                |

## Batch Photo

## Water Activity Test Results

| Water Activity | Aw<br>NT | Action Limit Aw |
|----------------|----------|-----------------|
|                |          |                 |

## Terpene Test Results

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


|  | mg/g | % | LOD mg/g | LOQ mg/g |
|--|------|---|----------|----------|
| <input type="checkbox"/> Bisabolol           | NT   |   |          |          |
| <input type="checkbox"/> Pinene              | NT   |   |          |          |
| <input type="checkbox"/> 3-Carene            | NT   |   |          |          |
| <input type="checkbox"/> Borneol             | NT   |   |          |          |
| <input type="checkbox"/> Caryophyllene       | NT   |   |          |          |
| <input type="checkbox"/> Geraniol            | NT   |   |          |          |
| <input type="checkbox"/> Humulene            | NT   |   |          |          |
| <input type="checkbox"/> Terpinolene         | NT   |   |          |          |
| <input type="checkbox"/> Valencene           | NT   |   |          |          |
| <input type="checkbox"/> Menthol             | NT   |   |          |          |
| <input type="checkbox"/> Nerolidol           | NT   |   |          |          |
| <input type="checkbox"/> Camphene            | NT   |   |          |          |
| <input type="checkbox"/> Eucalyptol          | NT   |   |          |          |
| <input type="checkbox"/> Cedrene             | NT   |   |          |          |
| <input type="checkbox"/> Camphor             | NT   |   |          |          |
| <input type="checkbox"/> (-)-Isopulegol      | NT   |   |          |          |
| <input type="checkbox"/> Sabinene            | NT   |   |          |          |
| <input type="checkbox"/> Terpinene           | NT   |   |          |          |
| <input type="checkbox"/> Terpinene           | NT   |   |          |          |
| <input type="checkbox"/> Linalool            | NT   |   |          |          |
| <input type="checkbox"/> Limonene            | NT   |   |          |          |
| <input type="checkbox"/> Myrcene             | NT   |   |          |          |
| <input type="checkbox"/> Fenchol             | NT   |   |          |          |
| <input type="checkbox"/> Phellandrene        | NT   |   |          |          |
| <input type="checkbox"/> Caryophyllene Oxide | NT   |   |          |          |
| <input type="checkbox"/> Terpineol           | NT   |   |          |          |
| <input type="checkbox"/> Pinene              | NT   |   |          |          |
| <input type="checkbox"/> R-(+)-Pulegone      | NT   |   |          |          |
| <input type="checkbox"/> Geranyl Acetate     | NT   |   |          |          |
| <input type="checkbox"/> Citronellol         | NT   |   |          |          |
| <input type="checkbox"/> p-Cymene            | NT   |   |          |          |
| <input type="checkbox"/> Ocimene             | NT   |   |          |          |
| <input type="checkbox"/> Guaiol              | NT   |   |          |          |
| <input type="checkbox"/> Phytol              | NT   |   |          |          |
| <input type="checkbox"/> Isoborneol          | NT   |   |          |          |

Total Terpene Concentration: NT

## Sample Certification



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 Josh Wurzer, President  
 Date: 04/14/2019

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## Pesticide Test Results

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

|                         | µg/g | Action Limit µg/g | LOD µg/g | 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

|                          | µg/kg | Action Limit µg/kg | LOD µg/kg | 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

|                   | µg/g | Action Limit µg/g | LOD µg/g | 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)

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

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## Residual Solvent Test Results

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

|                    | µg/g | Action Limit µg/g | LOD µg/g | 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

|  | 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

## Sample Certification



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Date: 04/14/2019