



CERTIFICATE OF ANALYSIS

Customer: Balanced Health Botanicals - Sheridan, CO 80110

| | | |
|------------------------------------|--|---|
| Order #: 703463 | Specimen Type: Extract | Initial Gross Weight: 10339.00(mg) |
| Batch #: 1719218V1 | Description: TEC Vape GDP | Specimen Weight: 100.02(mg) |
| Order Date: 08/08/2019 | Extracted From: Industrial Hemp | Density: 1.055321(g/ml) |
| Collection Date: 08/08/2019 | Method: SOP-3 | |
| Report Date: 08/16/2019 | | |

| Potency | | | | (HPLC) | | | |
|-------------|----------------|-------|---------|-------------|----------------|--------|---------|
| Analyte | Result (mg/ml) | (%) | LOQ (%) | Analyte | Result (mg/ml) | (%) | LOQ (%) |
| CBC | ND | <LOQ | 0.100 | CBCA | ND | <LOQ | 0.001 |
| CBDA | ND | <LOQ | 0.001 | CBDV | 1.349 | 0.128 | 0.001 |
| CBG | 0.352 | 0.033 | 0.001 | CBGA | ND | <LOQ | 0.001 |
| CBN | ND | <LOQ | 0.001 | CBNA | ND | <LOQ | 0.001 |
| Delta-9-THC | ND | <LOQ | 0.001 | THCA-A | ND | <LOQ | 0.001 |
| THCVA | ND | <LOQ | 0.001 | Total CBD | 439.647 | 41.660 | 0.001 |
| | | | | CBD | 439.647 | 41.660 | 0.001 |
| | | | | CBDVA | ND | <LOQ | 0.001 |
| | | | | CBL | ND | <LOQ | 0.001 |
| | | | | Delta-8-THC | ND | <LOQ | 0.001 |
| | | | | THCv | 0.573 | 0.054 | 0.001 |
| | | | | Total THC | ND | <LOQ | 0.001 |

| Pesticides (Passed) | | | | (LCMS/MS) | | | |
|-----------------------|--------------------|--------------|-----------|---------------------|--------------------|--------------|-----------|
| Analyte | Action Level (ppm) | Result (ppm) | LOQ (ppm) | Analyte | Action Level (ppm) | Result (ppm) | LOQ (ppm) |
| Abamectin | 0.500 | <LOQ | 0.100 | Acephate | 0.400 | <LOQ | 0.100 |
| Acetamiprid | 0.200 | <LOQ | 0.100 | Aldicarb | 0.400 | <LOQ | 0.100 |
| Bifenazate | 0.200 | <LOQ | 0.100 | Bifenthrin | 0.200 | <LOQ | 0.100 |
| Carbaryl | 0.200 | <LOQ | 0.100 | Carbofuran | 0.200 | <LOQ | 0.100 |
| Chlorpyrifos | 0.200 | <LOQ | 0.100 | Clofentezine | 0.200 | <LOQ | 0.100 |
| Daminozide | 1.000 | <LOQ | 0.100 | Diazinon | 0.200 | <LOQ | 0.100 |
| Dimethoate | 0.200 | <LOQ | 0.100 | Ethionphos | 0.200 | <LOQ | 0.100 |
| Etoxazole | 0.200 | <LOQ | 0.100 | Fenoxycarb | 0.200 | <LOQ | 0.100 |
| Fonicamid | 1.000 | <LOQ | 0.100 | Fludioxonil | 0.400 | <LOQ | 0.100 |
| Imazalil | 0.200 | <LOQ | 0.100 | Imidacloprid | 0.400 | <LOQ | 0.100 |
| Malathion A | 0.200 | <LOQ | 0.100 | Metalaxyl | 0.200 | <LOQ | 0.100 |
| Methomyl | 0.400 | <LOQ | 0.100 | MGK-264 | 0.200 | <LOQ | 0.100 |
| Naled | 0.500 | <LOQ | 0.100 | Oxamyl | 1.000 | <LOQ | 0.100 |
| Parathion-methyl | 0.200 | <LOQ | 0.250 | Permethrin | 0.200 | <LOQ | 0.100 |
| Piperonylbutoxide | 2.000 | <LOQ | 0.100 | Prallethrin | 0.200 | <LOQ | 0.100 |
| Propoxur | 0.200 | <LOQ | 0.100 | Pyrethrins | 1.000 | <LOQ | 0.100 |
| Spinosyn A | 0.200 | <LOQ | 0.100 | Spinosyn D | 0.200 | <LOQ | 0.100 |
| Spirotetramat | 0.200 | <LOQ | 0.100 | Spiroxamine | 0.400 | <LOQ | 0.100 |
| Thiacloprid | 0.200 | <LOQ | 0.100 | Thiamethoxam | 0.200 | <LOQ | 0.100 |
| | | | | Acequinocyl | 2.000 | <LOQ | 0.750 |
| | | | | Azoxystrobin | 0.200 | <LOQ | 0.100 |
| | | | | Boscalid | 0.400 | <LOQ | 0.100 |
| | | | | Chlorantraniliprole | 0.200 | <LOQ | 0.100 |
| | | | | Cypermethrin | 1.000 | <LOQ | 0.100 |
| | | | | Dichlorvos | 0.100 | <LOQ | 0.100 |
| | | | | Etofenprox | 0.400 | <LOQ | 0.100 |
| | | | | Fipronil | 0.400 | <LOQ | 0.100 |
| | | | | Hexthiazox | 1.000 | <LOQ | 0.100 |
| | | | | Kresoxim Methyl | 0.400 | <LOQ | 0.100 |
| | | | | Methiocarb | 0.200 | <LOQ | 0.100 |
| | | | | Myclobutanil | 0.200 | <LOQ | 0.100 |
| | | | | Pacllobutrazol | 0.400 | <LOQ | 0.100 |
| | | | | Phosmet | 0.200 | <LOQ | 0.100 |
| | | | | Propiconazole | 0.400 | <LOQ | 0.100 |
| | | | | Pyridaben | 0.200 | <LOQ | 0.100 |
| | | | | Spiromesifen | 0.200 | <LOQ | 0.100 |
| | | | | Tebuconazole | 0.400 | <LOQ | 0.100 |
| | | | | Trifloxystrobin | 0.200 | <LOQ | 0.100 |

Thomas Farrell, MD
Lab Director

* Total CBD = CBD + (CBD-A * 0.877). Total THC = THCA-A * 0.877 + Delta 9 THC, ND = <LOQ, T-Caryophyllene = Trans-Caryophyllene, <LOQ = Less Than Limit of Quantitation, QNS = Quantity Not Sufficient. (%) = Percent, (ppm) = Parts per Million, (ppb) = Parts per Billion, (µg/Kg) = Microgram per Kilogram, (mg/g) = Milligram per Gram, ppm = (µg/g), ppb = (µg/kg).

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CERTIFICATE OF ANALYSIS

Customer: Balanced Health Botanicals - Sheridan, CO 80110

| | | |
|------------------------------------|--|---|
| Order #: 703463 | Specimen Type: Extract | Initial Gross Weight: 10339.00(mg) |
| Batch #: 1719218V1 | Description: TEC Vape GDP | Specimen Weight: 100.02(mg) |
| Order Date: 08/08/2019 | Extracted From: Industrial Hemp | Density: 1.055321(g/ml) |
| Collection Date: 08/08/2019 | Method: SOP-3 | |
| Report Date: 08/16/2019 | | |

Residual Solvents (Passed) (GC/GCMS)

| Analyte | Action Level (ppm) | Result (ppm) | LOQ (ppm) | Analyte | Action Level (ppm) | Result (ppm) | LOQ (ppm) | Analyte | Action Level (ppm) | Result (ppm) | LOQ (ppm) |
|----------|--------------------|--------------|-----------|----------|--------------------|--------------|-----------|-------------|--------------------|--------------|-----------|
| Acetone | 5,000.000 | <LOQ | 87.900 | Benzene | 1.600 | <LOQ | 1.600 | Chloroform | 53.000 | <LOQ | 53.000 |
| Ethanol | 5,000.000 | <LOQ | 26.700 | I-Butane | 5,000.000 | <LOQ | 100.000 | Isopropanol | 5,000.000 | <LOQ | 52.300 |
| Methanol | 3,000.000 | <LOQ | 87.900 | N-Butane | 5,000.000 | <LOQ | 200.000 | Pentane | 5,000.000 | <LOQ | 389.500 |
| Toluene | 890.000 | <LOQ | 38.400 | | | | | | | | |

Heavy Metals (Passed) (ICP-MS)

| Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) |
|--------------|--------------------|--------------|-----------|--------------|--------------------|--------------|-----------|-----------|--------------------|--------------|-----------|
| Arsenic (As) | 500.000 | <LOQ | 100.000 | Cadmium (Cd) | 500.000 | <LOQ | 100.000 | Lead (Pb) | 500.000 | <LOQ | 100.000 |
| Mercury (Hg) | 500.000 | <LOQ | 100.000 | | | | | | | | |

Mycotoxins (Passed) (LCMS/MS)

| Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) |
|--------------|--------------------|--------------|-----------|-----------------|--------------------|--------------|-----------|--------------|--------------------|--------------|-----------|
| Aflatoxin B1 | | <LOQ | 15.000 | Aflatoxin B2 | | <LOQ | 15.000 | Aflatoxin G1 | | <LOQ | 15.000 |
| Aflatoxin G2 | | <LOQ | 15.000 | Aflatoxin Total | 20.000 | <LOQ | 15.000 | Ochratoxin A | 20.000 | <LOQ | 15.000 |

Terpenes (GC/GCMS)

| Analyte | Result (mg/g) | (%) | LOQ (%) | Analyte | Result (mg/g) | (%) | LOQ (%) | Analyte | Result (mg/g) | (%) | LOQ (%) |
|---------------------|---------------|-------|---------|-----------------|---------------|-------|---------|-----------------|---------------|-------|---------|
| 3-Carene | | ND | 0.001 | Alpha-Bisabolol | | ND | 0.001 | Alpha-Pinene | 3.740 | 0.374 | 0.002 |
| Alpha-Terpinene | | ND | 0.001 | Alpha-Terpineol | 1.800 | 0.180 | 0.001 | Aromadendrene | | ND | 0.001 |
| Beta-Myrcene | 6.220 | 0.622 | 0.001 | Beta-Pinene | 3.160 | 0.316 | 0.001 | Camphene | 2.140 | 0.214 | 0.001 |
| Fenchol | 2.310 | 0.231 | 0.002 | Gamma-Terpinene | | ND | 0.001 | Gamma-Terpineol | | ND | 0.002 |
| Geraniol | | ND | 0.001 | Guaiol | | ND | 0.001 | Humulene | 3.280 | 0.328 | 0.001 |
| Isopulegol | | ND | 0.001 | Linalool | 6.930 | 0.693 | 0.001 | Nerolidol-1 | | ND | 0.001 |
| Nerolidol-2 | | ND | 0.001 | Ocimene-1 | | ND | 0.001 | Ocimene-2 | | ND | 0.001 |
| P-Cymene | 1.600 | 0.160 | 0.001 | R-Limonene | 16.890 | 1.689 | 0.000 | Terpinolene | | ND | 0.001 |
| Trans-Caryophyllene | 19.190 | 1.919 | 0.001 | | | | | | | | |

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Lab Director

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| Order #: 703463 Batch #: 1719218V1 Order Date: 08/08/2019 Collection Date: 08/08/2019 Report Date: 08/16/2019 | Specimen Type: Extract Description: TEC Vape GDP Extracted From: Industrial Hemp Method: SOP-3 | Initial Gross Weight: 10339.00(mg) Specimen Weight: 100.02(mg) Density: 1.055321(g/ml) |
|--|---|---|

Microbiology (qPCR) (Passed) (qPCR)

| Analyte | Result | Analyte | Result | Analyte | Result |
|---------------------|--------|----------------|--------|--------------------------|--------|
| Total Aerobic Count | Passed | Total Coliform | Passed | Total Enterobacteriaceae | Passed |
| Total Yeast/Mold | Passed | | | | |

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