

# CBD oil tincture 750mg

FARM BILL  
COMPLIANTSAMPLE ID  
145701SAMPLE NAME  
CBD oil tincture 750mgMATRIX  
TinctureCOLLECTED  
10/25/2019 09:29RECEIVED  
10/25/2019 09:29SERVING SIZE  
1 mlSERVINGS PER PACKAGE  
30DENSITY  
0.9425 g/mlCULTIVATOR INFO  
Lift Brands North America**TOTAL  
CBD****24.15**  
MG PER SERVING**TOTAL  
THC****ND**  
MG PER SERVING**TOTAL  
CANNABINOIDS****24.15**  
MG PER SERVING**TOTAL  
TERPENES****0.03 %**  
MG PER SERVING**Chemical Residue**

No Analytes Detected

**Chemical Residue GC**

No Analytes Detected

**Residual Solvent**

Isopropyl Alcohol: &lt;LLOQ

**Microbial qPCR**

No Analytes Detected

**Heavy Metals**

Lead: 0.1663 ug/g

**Mycotoxins**

No Analytes Detected



Indicates that the hemp product passes  
some of the strictest testing standards available  
for cannabis and hemp.



### CANNABINOID ANALYSIS

**!** Total THC,CBD value(s) have been decarboxylated.

TOTAL THC: ND per serving (ND) (ND)  
 TOTAL CBD: 24.15 mg per serving (24.15 mg/mL) (2.563 %)  
 TOTAL CANNABINOIDS: 24.15 mg per serving (24.15 mg/mL) (2.563 %)

UNIT OF MEASUREMENT: Milligrams per Milliliter(mg/mL)

| ANALYTE | RESULT | LOD    | LLOQ   | ANALYTE | RESULT                | LOD    | LLOQ   |
|---------|--------|--------|--------|---------|-----------------------|--------|--------|
| D9THC   | ND     | 0.0500 | 0.1000 | D8THC   | ND                    | 0.0500 | 0.1000 |
| CBG     | ND     | 0.0500 | 0.1000 | CBC     | ND                    | 0.0500 | 0.1000 |
| THCv    | ND     | 0.0500 | 0.1000 | CBD     | 24.15 mg/mL (2.563 %) | 0.0500 | 0.1000 |
| CBN     | ND     | 0.0500 | 0.1000 | CBDv    | ND                    | 0.0500 | 0.1000 |
| THCa    | ND     | 0.0500 | 0.1000 | CBGa    | ND                    | 0.0500 | 0.1000 |
| CBDa    | ND     | 0.0500 | 0.1000 |         |                       |        |        |

#### ADDITIONAL INFORMATION

Method: SOP-TECH-001  
 Instrument: UPLC-DAD

Sample Prepped 10/28/2019 09:37  
 Sample Analyzed 10/28/2019 17:01

Sample Approved 10/29/2019 13:14

### CHEMICAL RESIDUE ANALYSIS

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

| ANALYTE       | RESULT | LOD    | LLOQ   | ACTION LEVEL | ANALYTE             | RESULT | LOD    | LLOQ   | ACTION LEVEL |
|---------------|--------|--------|--------|--------------|---------------------|--------|--------|--------|--------------|
| Abamectin     | ND     | 0.0200 | 0.0400 | 0.3000       | Acephate            | ND     | 0.0200 | 0.0400 | 5.000        |
| Acequinocyl   | ND     | 0.0200 | 0.0400 | 4.000        | Acetamiprid         | ND     | 0.0200 | 0.0400 | 5.000        |
| Aldicarb      | ND     | 0.0200 | 0.0400 | 0.0          | Azoxystrobin        | ND     | 0.0200 | 0.0400 | 40.00        |
| Bifenazate    | ND     | 0.0200 | 0.0400 | 5.000        | Bifenthrin          | ND     | 0.0200 | 0.0400 | 0.5000       |
| Boscalid      | ND     | 0.0200 | 0.0400 | 10.00        | Carbaryl            | ND     | 0.0200 | 0.0400 | 0.5000       |
| Carbofuran    | ND     | 0.0200 | 0.0400 | 0.0          | Chlorantraniliprole | ND     | 0.0200 | 0.0400 | 40.00        |
| Chlorfenapyr  | ND     | 0.0200 | 0.0400 | 0.0          | Chlorpyrifos        | ND     | 0.0200 | 0.0400 | 0.0          |
| Clofentezine  | ND     | 0.0200 | 0.0400 | 0.5000       | Coumaphos           | ND     | 0.0200 | 0.0400 | 0.0          |
| Cyfluthrin    | ND     | 0.1000 | 0.2000 | 1.000        | Cypermethrin        | ND     | 0.0400 | 0.1000 | 1.000        |
| Daminozide    | ND     | 0.0200 | 0.0400 | 0.0          | Diazinon            | ND     | 0.0200 | 0.0400 | 0.2000       |
| Dichlorvos    | ND     | 0.0200 | 0.0400 | 0.0          | Dimethoate          | ND     | 0.0200 | 0.0400 | 0.0          |
| Dimethomorph  | ND     | 0.0099 | 0.0198 | 20.00        | Ethoprophos         | ND     | 0.0200 | 0.0400 | 0.0          |
| Etofenprox    | ND     | 0.0200 | 0.0400 | 0.0          | Etoxazole           | ND     | 0.0200 | 0.0400 | 1.500        |
| Fenhexamid    | ND     | 0.0200 | 0.0400 | 10.00        | Fenoxycarb          | ND     | 0.0200 | 0.0400 | 0.0          |
| Fenpyroximate | ND     | 0.0200 | 0.0400 | 2.000        | Fipronil            | ND     | 0.0200 | 0.0400 | 0.0          |
| Flonicamid    | ND     | 0.0200 | 0.0400 | 2.000        | Fludioxonil         | ND     | 0.0200 | 0.0400 | 30.00        |
| Hexythiazox   | ND     | 0.0200 | 0.0400 | 2.000        | Imazalil            | ND     | 0.0200 | 0.0400 | 0.0          |
| Imidacloprid  | ND     | 0.0200 | 0.0400 | 3.000        | KresoximMethyl      | ND     | 0.0200 | 0.0400 | 1.000        |
| Malathion     | ND     | 0.0200 | 0.0400 | 5.000        | Metalaxyl           | ND     | 0.0200 | 0.0400 | 15.00        |
| Methiocarb    | ND     | 0.0200 | 0.0400 | 0.0          | Methomyl            | ND     | 0.0200 | 0.0400 | 0.1000       |
| Mevinphos     | ND     | 0.0200 | 0.0400 | 0.0          | Myclobutanil        | ND     | 0.0200 | 0.0400 | 9.000        |
| Naled         | ND     | 0.0200 | 0.0400 | 0.5000       | Oxamyl              | ND     | 0.0200 | 0.0400 | 0.2000       |
| Paclobutrazol | ND     | 0.0200 | 0.0400 | 0.0          | Permethrins         | ND     | 0.0200 | 0.0400 | 20.00        |

|               |    |        |        |        |                   |    |        |        |       |
|---------------|----|--------|--------|--------|-------------------|----|--------|--------|-------|
| Phosmet       | ND | 0.0200 | 0.0400 | 0.2000 | PiperonylButoxide | ND | 0.0200 | 0.0400 | 8.000 |
| Prallethrin   | ND | 0.0200 | 0.0400 | 0.4000 | Propiconazole     | ND | 0.0200 | 0.0400 | 20.00 |
| Propoxur      | ND | 0.0200 | 0.0400 | 0.0    | Pyrethrins        | ND | 0.0178 | 0.0356 | 1.000 |
| Pyridaben     | ND | 0.0200 | 0.0400 | 3.000  | Spinetoram        | ND | 0.0200 | 0.0400 | 3.000 |
| Spinosad      | ND | 0.0200 | 0.0400 | 3.000  | Spiromesifen      | ND | 0.0200 | 0.0400 | 12.00 |
| Spirotetramat | ND | 0.0200 | 0.0400 | 13.00  | Spiroxamine       | ND | 0.0200 | 0.0400 | 0.0   |
| Tebuconazole  | ND | 0.0200 | 0.0400 | 2.000  | Thiacloprid       | ND | 0.0200 | 0.0400 | 0.0   |
| Thiamethoxam  | ND | 0.0200 | 0.0400 | 4.500  | Trifloxystrobin   | ND | 0.0200 | 0.0400 | 30.00 |

### ADDITIONAL INFORMATION

Method: SOP-TECH-002  
Instrument: LC-MS/MS

Sample Prepped 10/31/2019 14:36  
Sample Analyzed 10/31/2019 14:39

Sample Approved 11/01/2019 11:11

## CHEMICAL RESIDUE GC ANALYSIS

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

| ANALYTE         | RESULT | LOD    | LLOQ   | ACTION LEVEL | ANALYTE   | RESULT | LOD    | LLOQ   | ACTION LEVEL |
|-----------------|--------|--------|--------|--------------|-----------|--------|--------|--------|--------------|
| Captan          | ND     | 0.1000 | 0.2000 | 5.000        | Chlordane | ND     | 0.0400 | 0.1000 | 0.0          |
| MethylParathion | ND     | 0.0400 | 0.1000 | 0.0          | PCNB      | ND     | 0.0200 | 0.0400 | 0.2000       |

### ADDITIONAL INFORMATION

Method: SOP-TECH-010  
Instrument: GC-MS/MS

Sample Prepped 10/31/2019 14:36  
Sample Analyzed 10/31/2019 14:39

Sample Approved 11/01/2019 10:52

## TERPENE ANALYSIS

UNIT OF MEASUREMENT: Milligrams per Milliliter(mg/mL)

| ANALYTE             | RESULT                  | LOD    | LLOQ   | ANALYTE            | RESULT                  | LOD    | LLOQ   |
|---------------------|-------------------------|--------|--------|--------------------|-------------------------|--------|--------|
| Limonene            | ND                      | 0.0200 | 0.0400 | Delta-3-Carene     | ND                      | 0.0200 | 0.0400 |
| Gamma-Terpinene     | ND                      | 0.0200 | 0.0400 | Nerolidol          | 0.1097 mg/mL (0.0116 %) | 0.0200 | 0.0400 |
| Linalool            | ND                      | 0.0200 | 0.0400 | Geraniol           | ND                      | 0.0200 | 0.0400 |
| Alpha-Bisabolol     | 0.1917 mg/mL (0.0203 %) | 0.0200 | 0.0400 | Isopulegol         | ND                      | 0.0200 | 0.0400 |
| Alpha-Pinene        | ND                      | 0.0200 | 0.0400 | Beta-Pinene        | ND                      | 0.0200 | 0.0400 |
| Eucalyptol          | ND                      | 0.0200 | 0.0400 | Ocimene            | ND                      | 0.0200 | 0.0400 |
| Terpinolene         | ND                      | 0.0200 | 0.0400 | P-Cymene           | ND                      | 0.0200 | 0.0400 |
| B-Myrcene           | ND                      | 0.0200 | 0.0400 | Beta-Caryophyllene | ND                      | 0.0200 | 0.0400 |
| Alpha-Terpinene     | ND                      | 0.0200 | 0.0400 | Alpha-Humulene     | ND                      | 0.0200 | 0.0400 |
| Guaiol              | ND                      | 0.0200 | 0.0400 | Camphene           | ND                      | 0.0200 | 0.0400 |
| Caryophyllene Oxide | ND                      | 0.0200 | 0.0400 |                    |                         |        |        |

### ADDITIONAL INFORMATION

Method: SOP-TECH-004  
Instrument: HS-GC-FID

Sample Prepped 10/31/2019 16:54  
Sample Analyzed 10/31/2019 16:55

Sample Approved 11/01/2019 13:23

### RESIDUAL SOLVENT ANALYSIS

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

| ANALYTE           | RESULT | LOD    | LLOQ   | ACTION LEVEL | ANALYTE            | RESULT | LOD    | LLOQ   | ACTION LEVEL |
|-------------------|--------|--------|--------|--------------|--------------------|--------|--------|--------|--------------|
| Acetone           | ND     | 2.500  | 5.000  | 5000         | Acetonitrile       | ND     | 0.5000 | 1.000  | 410.0        |
| Benzene           | ND     | 0.5000 | 1.000  | 1.000        | Butane             | ND     | 24.00  | 48.00  | 5000         |
| Chloroform        | ND     | 0.5000 | 1.000  | 1.000        | Ethanol            | ND     | 1.000  | 2.500  | 1.000E+4     |
| Ethyl Acetate     | ND     | 2.500  | 5.000  | 5000         | Ethyl Ether        | ND     | 10.00  | 50.00  | 5000         |
| Ethylene oxide    | ND     | 0.5000 | 1.000  | 1.000        | Heptane            | ND     | 0.2500 | 0.5000 | 5000         |
| Hexane            | ND     | 0.2500 | 0.5000 | 290.0        | Isopropyl Alcohol  | <LLOQ  | 0.2500 | 0.5000 | 5000         |
| Methanol          | ND     | 1.000  | 2.500  | 3000         | Methylene chloride | ND     | 0.2500 | 0.5000 | 1.000        |
| Pentane           | ND     | 1.000  | 2.500  | 5000         | Propane            | ND     | 5.000  | 10.00  | 5000         |
| Toluene           | ND     | 0.2500 | 0.5000 | 890.0        | Xylenes            | ND     | 0.5000 | 1.000  | 2170         |
| Trichloroethylene | ND     | 0.2500 | 0.5000 | 1.000        | 1,2-Dichloroethane | ND     | 0.2500 | 0.5000 | 1.000        |

#### ADDITIONAL INFORMATION

Method: SOP-TECH-021  
Instrument: HS-GC-MS/FID

Sample Prepped 10/31/2019 17:00  
Sample Analyzed 10/31/2019 17:00

Sample Approved 11/01/2019 13:12

### MICROBIAL qPCR ANALYSIS

UNIT OF MEASUREMENT: Cycle Threshold (Ct)

| ANALYTE     | RESULT | LOD   | LLOQ | ACTION LEVEL | ANALYTE        | RESULT | LOD   | LLOQ | ACTION LEVEL |
|-------------|--------|-------|------|--------------|----------------|--------|-------|------|--------------|
| A.fumigatus | ND     | 33.00 | 0.0  | 0.0          | A. flavus      | ND     | 33.00 | 0.0  | 0.0          |
| A. niger    | ND     | 33.00 | 0.0  | 0.0          | A. terreus     | ND     | 33.00 | 0.0  | 0.0          |
| STEC        | ND     | 33.00 | 0.0  | 0.0          | Salmonella spp | ND     | 33.00 | 0.0  | 0.0          |

#### ADDITIONAL INFORMATION

Method: SOP-TECH-016, SOP-TECH-022  
Instrument: qPCR

Sample Prepped 10/31/2019 06:24  
Sample Analyzed 10/31/2019 10:02

Sample Approved 10/31/2019 12:08

### HEAVY METALS ANALYSIS

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

| ANALYTE | RESULT      | LOD    | LLOQ   | ACTION LEVEL | ANALYTE | RESULT | LOD    | LLOQ   | ACTION LEVEL |
|---------|-------------|--------|--------|--------------|---------|--------|--------|--------|--------------|
| Arsenic | ND          | 0.0200 | 0.0500 | 1.500        | Cadmium | ND     | 0.0050 | 0.0500 | 0.5000       |
| Lead    | 0.1663 ug/g | 0.0100 | 0.0500 | 0.5000       | Mercury | ND     | 0.0030 | 0.0500 | 3.000        |

#### ADDITIONAL INFORMATION

Method: SOP-TECH-013  
Instrument: ICP-MS

Sample Prepped 10/31/2019 10:53  
Sample Analyzed 10/31/2019 10:55

Sample Approved 10/31/2019 20:26





## MYCOTOXINS ANALYSIS

UNIT OF MEASUREMENT: Micrograms per Kilogram(ug/kg)

| ANALYTE          | RESULT | LOD   | LLOQ  | ACTION LEVEL | ANALYTE      | RESULT | LOD   | LLOQ  | ACTION LEVEL |
|------------------|--------|-------|-------|--------------|--------------|--------|-------|-------|--------------|
| Aflatoxin B1     | ND     | 1.000 | 2.000 |              | Aflatoxin B2 | ND     | 2.000 | 5.000 |              |
| Aflatoxin G1     | ND     | 2.000 | 5.000 |              | Aflatoxin G2 | ND     | 2.000 | 5.000 |              |
| Total Aflatoxins | ND     | 10.00 | 14.00 | 20.00        | Ochratoxin A | ND     | 1.000 | 2.000 | 20.00        |

## ADDITIONAL INFORMATION

Method: SOP-TECH-020  
Instrument: LC-MS/MSSample Prepped 10/31/2019 10:44  
Sample Analyzed 10/31/2019 11:52

Sample Approved 11/01/2019 08:40

This report applies to the sample investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. This report provides technical results for a specific sample and the report shall not be altered, modified, supplemented, or abstracted in any manner. Any violation of these conditions renders the report and its results void.

All LQC samples required by state regulations were performed and met the acceptance criteria.

## DATA REVIEWED AND APPROVED BY



11/04/2019

Swetha Kaul, PhD  
Chief Scientific Officer

Date

