

# Lifter

FARM BILL  
COMPLIANT



SAMPLE ID  
145021

SAMPLE NAME  
Lifter

MATRIX  
Flower

COLLECTED  
11/12/2019 15:24

RECEIVED  
11/12/2019 15:24

DISTRIBUTOR INFO  
Blue Ridge Sovereign

CULTIVATOR INFO  
blueridgehempco.com

TOTAL  
CBD

12.77 %

TOTAL  
THC

0.0748 %

TOTAL  
CANNABINOIDS

15.09 %

TOTAL  
TERPENES

1.13 %

Chemical Residue

No Analytes Detected



Chemical Residue GC

No Analytes Detected



Microbial Plating

Yeast: 7094 CFU/g, APC: 1064 CFU/g

Moisture Content

Moisture Content: 10.44 %

Heavy Metals

Cadmium: 0.0926 ug/g, Lead: <LLOQ, Mercury: <LLOQ



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



**CANNABINOID ANALYSIS**

- Total THC,CBD value(s) are corrected for moisture, and the acids have undergone a calculation to mimic decarboxylation
- Total Cannabinoid value(s) are corrected for moisture content
- Individual Analyte value(s) are corrected for moisture content

TOTAL THC: 0.7481 mg/g (0.0748 %)  
 TOTAL CBD: 127.7 mg/g (12.77 %)  
 TOTAL CANNABINOIDS: 150.9 mg/g (15.09 %)

UNIT OF MEASUREMENT: Milligrams per Gram(mg/g)

| ANALYTE | RESULT                 | LOD    | LLOQ   | ANALYTE | RESULT                | LOD    | LLOQ   |
|---------|------------------------|--------|--------|---------|-----------------------|--------|--------|
| THCa    | 0.8530 mg/g (0.0853 %) | 0.2500 | 0.5000 | CBDv    | ND                    | 0.2500 | 0.5000 |
| D9THC   | ND                     | 0.2500 | 0.5000 | CBGa    | 4.473 mg/g (0.4473 %) | 0.2500 | 0.5000 |
| D8THC   | ND                     | 0.2500 | 0.5000 | CBG     | ND                    | 0.2500 | 0.5000 |
| THCv    | ND                     | 0.2500 | 0.5000 | CBN     | ND                    | 0.2500 | 0.5000 |
| CBDa    | 145.6 mg/g (14.56 %)   | 0.2500 | 0.5000 | CBC     | ND                    | 0.2500 | 0.5000 |
| CBD     | ND                     | 0.2500 | 0.5000 |         |                       |        |        |

**ADDITIONAL INFORMATION**

Method: SOP-TECH-001 Sample Prepped 11/14/2019 12:24 Sample Approved 11/15/2019 18:00  
 Instrument: UPLC-DAD Sample Analyzed 11/14/2019 15:05

**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 | 0.1000       | Acephate            | ND     | 0.0200 | 0.0400 | 0.1000       |
| Acequinocyl   | ND     | 0.0200 | 0.0400 | 0.1000       | Acetamiprid         | ND     | 0.0200 | 0.0400 | 0.1000       |
| Aldicarb      | ND     | 0.0200 | 0.0400 | 0.0          | Azoxystrobin        | ND     | 0.0200 | 0.0400 | 0.2000       |
| Bifenazate    | ND     | 0.0200 | 0.0400 | 0.1000       | Bifenthrin          | ND     | 0.0200 | 0.0400 | 3.000        |
| Boscalid      | ND     | 0.0200 | 0.0400 | 0.1000       | Carbaryl            | ND     | 0.0200 | 0.0400 | 0.5000       |
| Carbofuran    | ND     | 0.0200 | 0.0400 | 0.0          | Chlorantraniliprole | ND     | 0.0200 | 0.0400 | 10.00        |
| Chlorfenapyr  | ND     | 0.0200 | 0.0400 | 0.0          | Chlorpyrifos        | ND     | 0.0200 | 0.0400 | 0.0          |
| Clofentezine  | ND     | 0.0200 | 0.0400 | 0.1000       | Coumaphos           | ND     | 0.0200 | 0.0400 | 0.0          |
| Cyfluthrin    | ND     | 0.1000 | 0.2000 | 2.000        | Cypermethrin        | ND     | 0.0400 | 0.1000 | 1.000        |
| Daminozide    | ND     | 0.0200 | 0.0400 | 0.0          | Diazinon            | ND     | 0.0200 | 0.0400 | 0.1000       |
| Dichlorvos    | ND     | 0.0200 | 0.0400 | 0.0          | Dimethoate          | ND     | 0.0200 | 0.0400 | 0.0          |
| Dimethomorph  | ND     | 0.0196 | 0.0392 | 2.000        | Ethoprophos         | ND     | 0.0200 | 0.0400 | 0.0          |
| Etofenprox    | ND     | 0.0200 | 0.0400 | 0.0          | Etoxazole           | ND     | 0.0200 | 0.0400 | 0.1000       |
| Fenhexamid    | ND     | 0.0200 | 0.0400 | 0.1000       | Fenoxycarb          | ND     | 0.0200 | 0.0400 | 0.0          |
| Fenpyroximate | ND     | 0.0200 | 0.0400 | 0.1000       | Fipronil            | ND     | 0.0200 | 0.0400 | 0.0          |
| Fonicamid     | ND     | 0.0200 | 0.0400 | 0.1000       | Fludioxonil         | ND     | 0.0200 | 0.0400 | 0.1000       |
| Hexythiazox   | ND     | 0.0200 | 0.0400 | 0.1000       | Imazalil            | ND     | 0.0200 | 0.0400 | 0.0          |
| Imidacloprid  | ND     | 0.0200 | 0.0400 | 5.000        | KresoximMethyl      | ND     | 0.0200 | 0.0400 | 0.1000       |
| Malathion     | ND     | 0.0200 | 0.0400 | 0.5000       | Metalaxyl           | ND     | 0.0200 | 0.0400 | 2.000        |
| Methiocarb    | ND     | 0.0200 | 0.0400 | 0.0          | Methomyl            | ND     | 0.0200 | 0.0400 | 1.000        |
| Mevinphos     | ND     | 0.0200 | 0.0400 | 0.0          | Myclobutanil        | ND     | 0.0200 | 0.0400 | 0.1000       |

|               |    |        |        |        |                   |    |        |        |        |
|---------------|----|--------|--------|--------|-------------------|----|--------|--------|--------|
| Naled         | ND | 0.0200 | 0.0400 | 0.1000 | Oxamyl            | ND | 0.0200 | 0.0400 | 0.5000 |
| Paclobutrazol | ND | 0.0200 | 0.0400 | 0.0    | Permethrins       | ND | 0.0198 | 0.0396 | 0.5000 |
| Phosmet       | ND | 0.0200 | 0.0400 | 0.1000 | PiperonylButoxide | ND | 0.0200 | 0.0400 | 3.000  |
| Prallethrin   | ND | 0.0200 | 0.0400 | 0.1000 | Propiconazole     | ND | 0.0200 | 0.0400 | 0.1000 |
| Propoxur      | ND | 0.0200 | 0.0400 | 0.0    | Pyrethrins        | ND | 0.0078 | 0.0158 | 0.5000 |
| Pyridaben     | ND | 0.0200 | 0.0400 | 0.1000 | Spinetoram        | ND | 0.0200 | 0.0400 | 0.1000 |
| Spinosad      | ND | 0.0198 | 0.0395 | 0.1000 | Spiromesifen      | ND | 0.0200 | 0.0400 | 0.1000 |
| Spirotetramat | ND | 0.0200 | 0.0400 | 0.1000 | Spiroxamine       | ND | 0.0200 | 0.0400 | 0.0    |
| Tebuconazole  | ND | 0.0200 | 0.0400 | 0.1000 | Thiacloprid       | ND | 0.0200 | 0.0400 | 0.0    |
| Thiamethoxam  | ND | 0.0200 | 0.0400 | 5.000  | Trifloxystrobin   | ND | 0.0200 | 0.0400 | 0.1000 |

#### ADDITIONAL INFORMATION

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

Sample Prepped 11/14/2019 12:24  
Sample Analyzed 11/14/2019 15:05

Sample Approved 11/15/2019 13:58

## 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 | 0.7000       | Chlordane | ND     | 0.0400 | 0.1000 | 0.0          |
| MethylParathion | ND     | 0.0400 | 0.1000 | 0.0          | PCNB      | ND     | 0.0200 | 0.0400 | 0.1000       |

#### ADDITIONAL INFORMATION

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

Sample Prepped 11/14/2019 12:26  
Sample Analyzed 11/14/2019 15:05

Sample Approved 11/15/2019 21:38

## TERPENE ANALYSIS

UNIT OF MEASUREMENT: Milligrams per Gram(mg/g)

| ANALYTE             | RESULT                 | LOD    | LLOQ   | ANALYTE            | RESULT                 | LOD    | LLOQ   |
|---------------------|------------------------|--------|--------|--------------------|------------------------|--------|--------|
| Limonene            | 0.5550 mg/g (0.0555 %) | 0.0200 | 0.0400 | Delta-3-Carene     | ND                     | 0.0200 | 0.0400 |
| Gamma-Terpinene     | 0.0933 mg/g (0.0093 %) | 0.0200 | 0.0400 | Nerolidol          | 0.3464 mg/g (0.0346 %) | 0.0200 | 0.0400 |
| Linalool            | 0.3485 mg/g (0.0349 %) | 0.0200 | 0.0400 | Geraniol           | ND                     | 0.0200 | 0.0400 |
| Alpha-Bisabolol     | 0.6219 mg/g (0.0622 %) | 0.0200 | 0.0400 | Isopulegol         | ND                     | 0.0200 | 0.0400 |
| Alpha-Pinene        | 0.6220 mg/g (0.0622 %) | 0.0200 | 0.0400 | Beta-Pinene        | 0.3942 mg/g (0.0394 %) | 0.0200 | 0.0400 |
| Eucalyptol          | ND                     | 0.0200 | 0.0400 | Ocimene            | ND                     | 0.0200 | 0.0400 |
| Terpinolene         | ND                     | 0.0200 | 0.0400 | P-Cymene           | 0.7528 mg/g (0.0753 %) | 0.0200 | 0.0400 |
| B-Myrcene           | 3.558 mg/g (0.3558 %)  | 0.0200 | 0.0400 | Beta-Caryophyllene | 2.543 mg/g (0.2543 %)  | 0.0200 | 0.0400 |
| Alpha-Terpinene     | ND                     | 0.0200 | 0.0400 | Alpha-Humulene     | 1.252 mg/g (0.1252 %)  | 0.0200 | 0.0400 |
| Guaiol              | ND                     | 0.0200 | 0.0400 | Camphene           | 0.0784 mg/g (0.0078 %) | 0.0200 | 0.0400 |
| Caryophyllene Oxide | 0.1583 mg/g (0.0158 %) | 0.0200 | 0.0400 |                    |                        |        |        |

#### ADDITIONAL INFORMATION

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

Sample Prepped 11/14/2019 16:31  
Sample Analyzed 11/14/2019 16:31

Sample Approved 11/15/2019 14:50



## MICROBIAL PLATE ANALYSIS

UNIT OF MEASUREMENT: Colony Forming Unit(CFU)

| ANALYTE  | RESULT     | LOD | LLOQ  | ANALYTE | RESULT     | LOD | LLOQ  |
|----------|------------|-----|-------|---------|------------|-----|-------|
| Coliform | ND         | 0.0 | 10.00 | E.coli  | ND         | 0.0 | 10.00 |
| Mold     | ND         | 0.0 | 10.00 | Yeast   | 7094 CFU/g | 0.0 | 10.00 |
| APC      | 1064 CFU/g | 0.0 | 10.00 |         |            |     |       |

### ADDITIONAL INFORMATION

Method: SOP-TECH-005, SOP-TECH-006      Sample Prepped 11/14/2019 15:16      Sample Approved 11/18/2019 17:17  
 Instrument: PetriFilm/Incubator      Sample Analyzed 11/18/2019 12:49

## MOISTURE CONTENT ANALYSIS

UNIT OF MEASUREMENT: Percent Moisture Content(%)

| ANALYTE          | RESULT  | LOD | LLOQ | ANALYTE | RESULT | LOD | LLOQ |
|------------------|---------|-----|------|---------|--------|-----|------|
| Moisture Content | 10.44 % | 0.0 | 0.0  |         |        |     |      |

### ADDITIONAL INFORMATION

Method: SOP-TECH-017      Sample Prepped 11/14/2019 16:37      Sample Approved 11/14/2019 18:15  
 Instrument: Moisture Analyzer      Sample Analyzed 11/14/2019 16:38

## 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 | 0.2000       | Cadmium | 0.0926 ug/g | 0.0050 | 0.0500 | 0.2000       |
| Lead    | <LLOQ  | 0.0100 | 0.0500 | 0.5000       | Mercury | <LLOQ       | 0.0030 | 0.0500 | 0.1000       |

### ADDITIONAL INFORMATION

Method: SOP-TECH-013      Sample Prepped 11/15/2019 07:20      Sample Approved 11/15/2019 20:59  
 Instrument: ICP-MS      Sample Analyzed 11/15/2019 07:26



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**11/20/2019

Swetha Kaul, PhD  
Chief Scientific Officer

Date

