

# Energy Lemon Lime 1500MG

FARM BILL  
COMPLIANT

SAMPLE ID  
**149343**

SAMPLE NAME  
**Energy Lemon Lime 1500MG**

MATRIX  
**Tincture**

COLLECTED  
**10/30/2019 16:59**

RECEIVED  
**10/30/2019 16:59**

SERVING SIZE  
**Full Dropper (1 mL)**

SERVINGS PER PACKAGE  
**30**

DENSITY  
**0.9470 g/ml**

MANUFACTURER INFO  
**Hempcy**  
**1041 Crews Commerce Dr.**  
**Orlando, FL 32837**  
**License:**

**TOTAL  
CBD****50.22**  
MG PER SERVING**TOTAL  
D9-THC****0.6824**  
MG PER SERVING**TOTAL  
CANNABINOIDS****54.33**  
MG PER SERVING**Chemical Residue**

bifenazate: &lt;LLOQ, bifenthrin: &lt;LLOQ

**Chemical Residue GC**

No Analytes Detected

**Residual Solvent**

Ethanol: 95.38 ug/g

**Microbial qPCR**

No Analytes Detected

**Heavy Metals**

Lead: 0.1192 ug/g

**Mycotoxins**

No Analytes Detected



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



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### CANNABINOID ANALYSIS

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

TOTAL THC: 0.6824 mg per serving (0.6824 mg/mL) (0.0721 %)  
 TOTAL CBD: 50.22 mg per serving (50.22 mg/mL) (5.303 %)  
 TOTAL CANNABINOIDS: 54.33 mg per serving (54.33 mg/mL) (5.738 %)

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

| ANALYTE | RESULT                  | LOD    | LLOQ   | ANALYTE | RESULT                  | LOD    | LLOQ   |
|---------|-------------------------|--------|--------|---------|-------------------------|--------|--------|
| D9THC   | 0.6824 mg/mL (0.0721 %) | 0.0500 | 0.1000 | D8THC   | 0.3760 mg/mL (0.0397 %) | 0.0500 | 0.1000 |
| CBG     | 0.4492 mg/mL (0.0474 %) | 0.0500 | 0.1000 | CBC     | 1.941 mg/mL (0.2050 %)  | 0.0500 | 0.1000 |
| THCv    | ND                      | 0.0500 | 0.1000 | CBD     | 50.22 mg/mL (5.303 %)   | 0.0500 | 0.1000 |
| CBN     | ND                      | 0.0500 | 0.1000 | CBDv    | 0.6664 mg/mL (0.0704 %) | 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 11/01/2019 10:57  
 Sample Analyzed 11/01/2019 17:11

Sample Approved 11/04/2019 16:53

### 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    | <LLOQ  | 0.0200 | 0.0400 | 5.000        | Bifenthrin          | <LLOQ  | 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 11/01/2019 15:05  
Sample Analyzed 11/01/2019 15:06

Sample Approved 11/04/2019 14:41

## 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 11/01/2019 18:10  
Sample Analyzed 11/01/2019 18:18

Sample Approved 11/04/2019 16:32

## 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            | 95.38 ug/g | 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  | ND         | 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 11/01/2019 18:11  
Sample Analyzed 11/01/2019 18:11

Sample Approved 11/04/2019 14:50

### 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 11/01/2019 06:02  
Sample Analyzed 11/01/2019 09:17

Sample Approved 11/01/2019 13:07

### 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    | 0.1192 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 11/01/2019 10:07  
Sample Analyzed 11/01/2019 10:07

Sample Approved 11/04/2019 06:31

### 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/MS

Sample Prepped 11/01/2019 16:29  
Sample Analyzed 11/01/2019 16:29

Sample Approved 11/04/2019 15:09



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

