

CERTIFICATE OF ANALYSIS



SAMPLE INFORMATION

Sample Name: Hardcore OG
Sample Id: 67316
Collected: 10/29/2018 13:39
Batch Size: 10000 units
Overall Result: **Pass**

Sample Matrix: Concentrate
Batch Id: Hard1029
Received: 10/30/2018 17:47
Sample Size: 20 units

MANUFACTURER INFO

Business Name: JBTB Holdings, Inc.
City: Oakland
Zip Code: 94603

Street Address: 1031 98th Ave
State: CA
License: CDPH-T00001060

CANNABINOID ANALYSIS

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

TOTAL THC: 805.2 mg/g (80.52 %)
TOTAL CBD: 6.663 mg/g (0.6663 %)
TOTAL CANNABINOIDS: 884.2 mg/g (88.42 %)

TEST TYPE RESULT: N/A
UNIT OF MEASUREMENT: Milligrams per Gram(mg/g)

| ANALYTE | RESULT | LOD | LLOQ | ANALYTE | RESULT | LOD | LLOQ |
|---------|----------------------|--------|-------|---------|-----------------------|--------|-------|
| D9THC | 790.6 mg/g (79.06 %) | 1.0000 | 2.000 | D8THC | ND | 1.0000 | 2.000 |
| THCa | ND | 1.0000 | 2.000 | CBG | 33.54 mg/g (3.354 %) | 1.0000 | 2.000 |
| CBN | 26.20 mg/g (2.620 %) | 1.0000 | 2.000 | CBD | 6.663 mg/g (0.6663 %) | 1.0000 | 2.000 |
| CBDa | ND | 1.0000 | 2.000 | CBGa | ND | 1.0000 | 2.000 |
| THCv | 14.67 mg/g (1.467 %) | 1.0000 | 2.000 | CBC | 12.56 mg/g (1.256 %) | 1.0000 | 2.000 |
| CBDv | ND | 1.0000 | 2.000 | | | | |

ADDITIONAL INFORMATION

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

Sample Prepped 11/01/2018 15:58
Sample Analyzed 11/02/2018 12:15

Sample Approved 11/03/2018 08:18





CHEMICAL RESIDUE ANALYSIS

TEST TYPE RESULT: **Pass**
 UNIT OF MEASUREMENT: **Micrograms per Gram(ug/g)**

| ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL |
|---------------------|--------|--------|--------|--------------------|---------------|--------|--------|--------|--------------------|
| Acephate | ND | 0.0100 | 0.0200 | 0.1000 Pass | Acequinocyl | ND | 0.0200 | 0.1000 | 0.1000 Pass |
| Acetamiprid | ND | 0.0100 | 0.0400 | 0.1000 Pass | Aldicarb | ND | 0.0100 | 0.0400 | 0.0 Pass |
| Azoxystrobin | ND | 0.0100 | 0.0400 | 0.2000 Pass | Bifenazate | ND | 0.0100 | 0.0400 | 0.1000 Pass |
| Bifenthrin | ND | 0.0200 | 0.1000 | 3.000 Pass | Boscalid | ND | 0.0100 | 0.0400 | 0.1000 Pass |
| Carbaryl | ND | 0.0100 | 0.0400 | 0.5000 Pass | Carbofuran | ND | 0.0100 | 0.0400 | 0.0 Pass |
| Chlorantraniliprole | ND | 0.0120 | 0.1000 | 10.00 Pass | Chlorfenapyr | ND | 0.2000 | 0.4000 | 0.0 Pass |
| Chlorpyrifos | ND | 0.0100 | 0.0400 | 0.0 Pass | Clofentezine | ND | 0.0120 | 0.1000 | 0.1000 Pass |
| Cypermethrin | ND | 0.0400 | 0.2000 | 1.000 Pass | Daminozide | ND | 0.0200 | 1.000 | 0.0 Pass |
| Dichlorvos | ND | 0.0200 | 0.2000 | 0.0 Pass | Diazinon | ND | 0.0100 | 0.0400 | 0.1000 Pass |
| Dimethoate | ND | 0.0100 | 0.0400 | 0.0 Pass | Ethoprophos | ND | 0.0100 | 0.0400 | 0.0 Pass |
| Etofenprox | ND | 0.0100 | 0.0400 | 0.0 Pass | Etoxazole | ND | 0.0100 | 0.0400 | 0.1000 Pass |
| Fenoxycarb | ND | 0.0100 | 0.0400 | 0.0 Pass | Fenpyroximate | ND | 0.0100 | 0.0400 | 0.1000 Pass |
| Fipronil | ND | 0.1000 | 0.8000 | 0.0 Pass | Fonicamid | ND | 0.0200 | 0.1000 | 0.1000 Pass |
| Fludioxonil | ND | 0.0400 | 0.2000 | 0.1000 Pass | Hexythiazox | ND | 0.0100 | 0.1000 | 0.1000 Pass |
| Imazalil | ND | 0.0200 | 0.1000 | 0.0 Pass | Imidacloprid | ND | 0.0200 | 0.2000 | 5.000 Pass |
| KresoximMethyl | ND | 0.0100 | 0.0400 | 0.1000 Pass | Malathion | ND | 0.0100 | 0.0400 | 5.000 Pass |
| Metalaxyl | ND | 0.0100 | 0.0400 | 2.000 Pass | Methiocarb | ND | 0.0100 | 0.0400 | 0.0 Pass |
| Methomyl | ND | 0.0100 | 0.0400 | 1.000 Pass | Myclobutanil | ND | 0.0400 | 0.2000 | 0.1000 Pass |
| Naled | ND | 0.0100 | 0.0400 | 0.1000 Pass | Oxamyl | ND | 0.1000 | 0.4000 | 0.5000 Pass |
| Paclobutrazol | ND | 0.0100 | 0.0400 | 0.0 Pass | Phosmet | ND | 0.0100 | 0.0400 | 0.1000 Pass |
| PiperonylButoxide | ND | 0.0100 | 0.0400 | 3.000 Pass | Prallethrin | ND | 0.0400 | 0.2000 | 0.1000 Pass |
| Propoxur | ND | 0.0100 | 0.0400 | 0.0 Pass | Pyridaben | ND | 0.0100 | 0.0400 | 0.1000 Pass |
| Spiromesifen | ND | 0.0100 | 0.0400 | 0.1000 Pass | Spirotetramat | ND | 0.0100 | 0.0400 | 0.1000 Pass |
| Spiroxamine | ND | 0.1000 | 0.0400 | 0.4000 Pass | Tebuconazole | ND | 0.1000 | 0.0400 | 0.1000 Pass |
| Thiacloprid | ND | 0.0100 | 0.0400 | 0.0 Pass | Thiamethoxam | ND | 0.0100 | 0.0400 | 5.000 Pass |
| Trifloxystrobin | ND | 0.0100 | 0.0400 | 0.1000 Pass | Abamectin | ND | 0.0508 | 0.2540 | 0.1000 Pass |
| Cyfluthrin | ND | 0.4000 | 2.000 | 2.000 Pass | Permethrins | ND | 0.0664 | 0.2740 | 0.5000 Pass |
| Propiconazole | ND | 0.0200 | 0.1000 | 0.1000 Pass | Pyrethrins | ND | 0.0576 | 0.2820 | 0.5000 Pass |
| Spinosad | ND | 0.0244 | 0.0976 | 0.1000 Pass | Coumaphos | ND | 0.0100 | 0.0400 | 0.0 Pass |
| Fenhexamid | ND | 0.0200 | 0.2000 | 0.1000 Pass | Spinetoram | ND | 0.0120 | 0.0400 | 0.1000 Pass |
| Dimethomorph | ND | 0.0100 | 0.0400 | 2.000 Pass | Mevinphos | ND | 0.0080 | 0.0400 | 0.0 Pass |

ADDITIONAL INFORMATION

Method: SOP-TECH-002
 Instrument: UPLC-MSMS

Sample Prepped 11/01/2018 16:00
 Sample Analyzed 11/02/2018 11:06

Sample Approved 11/03/2018 12:16



 **CHEMICAL RESIDUE GC ANALYSIS**

TEST TYPE RESULT: **Pass**
 UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

| ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | |
|-----------|--------|--------|--------|--------------|------|-----------------|--------|--------|--------|--------------|------|
| Chlordane | ND | 0.0400 | 0.1000 | 0.0 | Pass | Captan | ND | 0.2000 | 0.4000 | 0.7000 | Pass |
| PCNB | ND | 0.0200 | 0.0400 | 0.1000 | Pass | MethylParathion | ND | 0.0400 | 0.1000 | 0.0 | Pass |

ADDITIONAL INFORMATION

Method: SOP-LAB-007 Sample Prepped 11/01/2018 15:59 Sample Approved 11/06/2018 09:22
 Instrument: GC-MS/MS Sample Analyzed 11/02/2018 12:39

 **RESIDUAL SOLVENT ANALYSIS**

TEST TYPE RESULT: **Pass**
 UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

| ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | |
|-------------------|--------|--------|-------|--------------|------|--------------------|------------|--------|-------|--------------|------|
| Chloroform | ND | 0.5000 | 1.000 | 0.0 | Pass | Acetone | 23.68 ug/g | 5.000 | 10.00 | 3100 | Pass |
| Methanol | ND | 50.00 | 100.0 | 400.0 | Pass | Ethanol | <LLOQ | 10.00 | 50.00 | 5000 | Pass |
| Benzene | ND | 0.5000 | 1.000 | 0.0 | Pass | Toluene | ND | 1.000 | 2.500 | 30.00 | Pass |
| Pentane | ND | 50.00 | 100.0 | 5000 | Pass | Hexane | ND | 0.5000 | 1.000 | 70.00 | Pass |
| Heptane | ND | 5.000 | 10.00 | 5000 | Pass | Ethyl Acetate | ND | 10.00 | 50.00 | 5000 | Pass |
| Propane | ND | 100.0 | 200.0 | 5000 | Pass | Acetonitrile | ND | 1.000 | 2.500 | 6.000 | Pass |
| Ethyl Ether | ND | 10.00 | 50.00 | 5000 | Pass | 1,2-Dichloroethane | ND | 0.5000 | 1.000 | 0.0 | Pass |
| Butane | ND | 96.00 | 192.0 | 5000 | Pass | Methylene chloride | ND | 0.5000 | 1.000 | 0.0 | Pass |
| Ethylene oxide | ND | 0.5000 | 1.000 | 0.0 | Pass | Isopropyl Alcohol | 29.50 ug/g | 5.000 | 10.00 | 320.0 | Pass |
| Trichloroethylene | ND | 0.5000 | 1.000 | 0.0 | Pass | Xylenes | ND | 1.000 | 2.000 | 10.00 | Pass |

ADDITIONAL INFORMATION

Method: SOP-TECH-003 Sample Prepped 11/02/2018 11:05 Sample Approved 11/05/2018 11:29
 Instrument: HS-GC-FID Sample Analyzed 11/02/2018 11:27



 **MICROBIAL ANALYSIS**

TEST TYPE RESULT: **Pass**
UNIT OF MEASUREMENT: Cycle Threshold (Ct)

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

ADDITIONAL INFORMATION

Method: SOP-LAB--00? Sample Prepped 10/31/2018 17:05 Sample Approved 11/02/2018 14:41
Instrument: qPCR Sample Analyzed 11/01/2018 06:53

 **FILTH & FOREIGN MATERIAL**

TEST TYPE RESULT: **Pass**
UNIT OF MEASUREMENT: Filth and Foreign Matter (%)

| ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL |
|----------|--------|-----|------|-------------------|---------|--------|-----|------|-------------------|
| SSCD | ND | 0.0 | 0.0 | 25.00 Pass | Mold | ND | 0.0 | 0.0 | 25.00 Pass |
| IF RH ME | ND | 0.0 | 0.0 | 3.000 Pass | IFM | ND | 0.0 | 0.0 | 25.00 Pass |

ADDITIONAL INFORMATION

Method: SOP-LAB-007 Sample Prepped 10/31/2018 16:14 Sample Approved 11/01/2018 10:14
Instrument: Magnifying Glass Sample Analyzed 11/01/2018 09:03

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.

DATA REVIEWED AND APPROVED BY



11/06/2018

Swetha Kaul, PhD
Chief Scientific Officer

Date

