

# CERTIFICATE OF ANALYSIS



## SAMPLE INFORMATION

Sample Name: Sour Tangie  
Sample Id: 67306  
Collected: 10/29/2018 13:32  
Batch Size: 10000 units  
Overall Result: **Pass**

Sample Matrix: Concentrate  
Batch Id: Sour1029  
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: 810.2 mg/g (81.02 %)  
TOTAL CBD: 9.960 mg/g (0.9960 %)  
TOTAL CANNABINOIDS: 892.3 mg/g (89.23 %)

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

| ANALYTE | RESULT                | LOD    | LLOQ  | ANALYTE | RESULT                | LOD    | LLOQ  |
|---------|-----------------------|--------|-------|---------|-----------------------|--------|-------|
| D9THC   | 801.7 mg/g (80.17 %)  | 1.0000 | 2.000 | D8THC   | ND                    | 1.0000 | 2.000 |
| THCa    | ND                    | 1.0000 | 2.000 | CBG     | 25.04 mg/g (2.504 %)  | 1.0000 | 2.000 |
| CBN     | 33.48 mg/g (3.348 %)  | 1.0000 | 2.000 | CBD     | 9.960 mg/g (0.9960 %) | 1.0000 | 2.000 |
| CBDa    | ND                    | 1.0000 | 2.000 | CBGa    | ND                    | 1.0000 | 2.000 |
| THCv    | 8.494 mg/g (0.8494 %) | 1.0000 | 2.000 | CBC     | 13.68 mg/g (1.368 %)  | 1.0000 | 2.000 |
| CBDv    | ND                    | 1.0000 | 2.000 |         |                       |        |       |

### ADDITIONAL INFORMATION

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

Sample Prepped 11/01/2018 14:09  
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 <b>Pass</b> | Acequinocyl   | ND     | 0.0200 | 0.1000 | 0.1000 <b>Pass</b> |
| Acetamiprid         | ND     | 0.0100 | 0.0400 | 0.1000 <b>Pass</b> | Aldicarb      | ND     | 0.0100 | 0.0400 | 0.0 <b>Pass</b>    |
| Azoxystrobin        | ND     | 0.0100 | 0.0400 | 0.2000 <b>Pass</b> | Bifenazate    | ND     | 0.0100 | 0.0400 | 0.1000 <b>Pass</b> |
| Bifenthrin          | ND     | 0.0200 | 0.1000 | 3.000 <b>Pass</b>  | Boscalid      | ND     | 0.0100 | 0.0400 | 0.1000 <b>Pass</b> |
| Carbaryl            | ND     | 0.0100 | 0.0400 | 0.5000 <b>Pass</b> | Carbofuran    | ND     | 0.0100 | 0.0400 | 0.0 <b>Pass</b>    |
| Chlorantraniliprole | ND     | 0.0120 | 0.1000 | 10.00 <b>Pass</b>  | Chlorfenapyr  | ND     | 0.2000 | 0.4000 | 0.0 <b>Pass</b>    |
| Chlorpyrifos        | ND     | 0.0100 | 0.0400 | 0.0 <b>Pass</b>    | Clofentezine  | ND     | 0.0120 | 0.1000 | 0.1000 <b>Pass</b> |
| Cypermethrin        | ND     | 0.0400 | 0.2000 | 1.000 <b>Pass</b>  | Daminozide    | ND     | 0.0200 | 1.000  | 0.0 <b>Pass</b>    |
| Dichlorvos          | ND     | 0.0200 | 0.2000 | 0.0 <b>Pass</b>    | Diazinon      | ND     | 0.0100 | 0.0400 | 0.1000 <b>Pass</b> |
| Dimethoate          | ND     | 0.0100 | 0.0400 | 0.0 <b>Pass</b>    | Ethoprophos   | ND     | 0.0100 | 0.0400 | 0.0 <b>Pass</b>    |
| Etofenprox          | ND     | 0.0100 | 0.0400 | 0.0 <b>Pass</b>    | Etoxazole     | ND     | 0.0100 | 0.0400 | 0.1000 <b>Pass</b> |
| Fenoxycarb          | ND     | 0.0100 | 0.0400 | 0.0 <b>Pass</b>    | Fenpyroximate | ND     | 0.0100 | 0.0400 | 0.1000 <b>Pass</b> |
| Fipronil            | ND     | 0.1000 | 0.8000 | 0.0 <b>Pass</b>    | Fonicamid     | ND     | 0.0200 | 0.1000 | 0.1000 <b>Pass</b> |
| Fludioxonil         | ND     | 0.0400 | 0.2000 | 0.1000 <b>Pass</b> | Hexythiazox   | ND     | 0.0100 | 0.1000 | 0.1000 <b>Pass</b> |
| Imazalil            | ND     | 0.0200 | 0.1000 | 0.0 <b>Pass</b>    | Imidacloprid  | ND     | 0.0200 | 0.2000 | 5.000 <b>Pass</b>  |
| KresoximMethyl      | ND     | 0.0100 | 0.0400 | 0.1000 <b>Pass</b> | Malathion     | ND     | 0.0100 | 0.0400 | 5.000 <b>Pass</b>  |
| Metalaxyl           | ND     | 0.0100 | 0.0400 | 2.000 <b>Pass</b>  | Methiocarb    | ND     | 0.0100 | 0.0400 | 0.0 <b>Pass</b>    |
| Methomyl            | ND     | 0.0100 | 0.0400 | 1.000 <b>Pass</b>  | Myclobutanil  | ND     | 0.0400 | 0.2000 | 0.1000 <b>Pass</b> |
| Naled               | ND     | 0.0100 | 0.0400 | 0.1000 <b>Pass</b> | Oxamyl        | ND     | 0.1000 | 0.4000 | 0.5000 <b>Pass</b> |
| Paclobutrazol       | ND     | 0.0100 | 0.0400 | 0.0 <b>Pass</b>    | Phosmet       | ND     | 0.0100 | 0.0400 | 0.1000 <b>Pass</b> |
| PiperonylButoxide   | ND     | 0.0100 | 0.0400 | 3.000 <b>Pass</b>  | Prallethrin   | ND     | 0.0400 | 0.2000 | 0.1000 <b>Pass</b> |
| Propoxur            | ND     | 0.0100 | 0.0400 | 0.0 <b>Pass</b>    | Pyridaben     | ND     | 0.0100 | 0.0400 | 0.1000 <b>Pass</b> |
| Spiromesifen        | ND     | 0.0100 | 0.0400 | 0.1000 <b>Pass</b> | Spirotetramat | ND     | 0.0100 | 0.0400 | 0.1000 <b>Pass</b> |
| Spiroxamine         | ND     | 0.1000 | 0.0400 | 0.4000 <b>Pass</b> | Tebuconazole  | ND     | 0.1000 | 0.0400 | 0.1000 <b>Pass</b> |
| Thiacloprid         | ND     | 0.0100 | 0.0400 | 0.0 <b>Pass</b>    | Thiamethoxam  | ND     | 0.0100 | 0.0400 | 5.000 <b>Pass</b>  |
| Trifloxystrobin     | ND     | 0.0100 | 0.0400 | 0.1000 <b>Pass</b> | Abamectin     | ND     | 0.0508 | 0.2540 | 0.1000 <b>Pass</b> |
| Cyfluthrin          | ND     | 0.4000 | 2.000  | 2.000 <b>Pass</b>  | Permethrins   | ND     | 0.0664 | 0.2740 | 0.5000 <b>Pass</b> |
| Propiconazole       | ND     | 0.0200 | 0.1000 | 0.1000 <b>Pass</b> | Pyrethrins    | ND     | 0.0576 | 0.2820 | 0.5000 <b>Pass</b> |
| Spinosad            | ND     | 0.0244 | 0.0976 | 0.1000 <b>Pass</b> | Coumaphos     | ND     | 0.0100 | 0.0400 | 0.0 <b>Pass</b>    |
| Fenhexamid          | ND     | 0.0200 | 0.2000 | 0.1000 <b>Pass</b> | Spinetoram    | ND     | 0.0120 | 0.0400 | 0.1000 <b>Pass</b> |
| Dimethomorph        | ND     | 0.0100 | 0.0400 | 2.000 <b>Pass</b>  | Mevinphos     | ND     | 0.0080 | 0.0400 | 0.0 <b>Pass</b>    |

**ADDITIONAL INFORMATION**

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

Sample Prepped 11/01/2018 14:13  
 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 <b>Pass</b>    | Captan          | ND     | 0.2000 | 0.4000 | 0.7000 <b>Pass</b> |
| PCNB      | ND     | 0.0200 | 0.0400 | 0.1000 <b>Pass</b> | MethylParathion | ND     | 0.0400 | 0.1000 | 0.0 <b>Pass</b>    |

**ADDITIONAL INFORMATION**

Method: SOP-LAB-007      Sample Prepped 11/01/2018 14:13      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 <b>Pass</b>   | Acetone            | 21.89 ug/g | 5.000  | 10.00 | 3100 <b>Pass</b>  |
| Methanol          | ND     | 50.00  | 100.0 | 400.0 <b>Pass</b> | Ethanol            | <LLOQ      | 10.00  | 50.00 | 5000 <b>Pass</b>  |
| Benzene           | ND     | 0.5000 | 1.000 | 0.0 <b>Pass</b>   | Toluene            | ND         | 1.000  | 2.500 | 30.00 <b>Pass</b> |
| Pentane           | ND     | 50.00  | 100.0 | 5000 <b>Pass</b>  | Hexane             | ND         | 0.5000 | 1.000 | 70.00 <b>Pass</b> |
| Heptane           | ND     | 5.000  | 10.00 | 5000 <b>Pass</b>  | Ethyl Acetate      | ND         | 10.00  | 50.00 | 5000 <b>Pass</b>  |
| Propane           | ND     | 100.0  | 200.0 | 5000 <b>Pass</b>  | Acetonitrile       | ND         | 1.000  | 2.500 | 6.000 <b>Pass</b> |
| Ethyl Ether       | ND     | 10.00  | 50.00 | 5000 <b>Pass</b>  | 1,2-Dichloroethane | ND         | 0.5000 | 1.000 | 0.0 <b>Pass</b>   |
| Butane            | ND     | 96.00  | 192.0 | 5000 <b>Pass</b>  | Methylene chloride | ND         | 0.5000 | 1.000 | 0.0 <b>Pass</b>   |
| Ethylene oxide    | ND     | 0.5000 | 1.000 | 0.0 <b>Pass</b>   | Isopropyl Alcohol  | 63.20 ug/g | 5.000  | 10.00 | 320.0 <b>Pass</b> |
| Trichloroethylene | ND     | 0.5000 | 1.000 | 0.0 <b>Pass</b>   | Xylenes            | ND         | 1.000  | 2.000 | 10.00 <b>Pass</b> |

**ADDITIONAL INFORMATION**

Method: SOP-TECH-003      Sample Prepped 11/02/2018 11:03      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 <b>Pass</b> | A. flavus      | ND     | 0.0 | 0.0  | 33.00 <b>Pass</b> |
| A. niger    | ND     | 0.0 | 0.0  | 33.00 <b>Pass</b> | A. terreus     | ND     | 0.0 | 0.0  | 33.00 <b>Pass</b> |
| STEC        | ND     | 0.0 | 0.0  | 33.00 <b>Pass</b> | Salmonella spp | ND     | 0.0 | 0.0  | 33.00 <b>Pass</b> |

### ADDITIONAL INFORMATION

Method: SOP-LAB--00?  
Instrument: qPCR

Sample Prepped 10/31/2018 16:28  
Sample Analyzed 11/01/2018 06:53

Sample Approved 11/02/2018 14:41

## 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 <b>Pass</b> | Mold    | ND     | 0.0 | 0.0  | 25.00 <b>Pass</b> |
| IF RH ME | ND     | 0.0 | 0.0  | 3.000 <b>Pass</b> | IFM     | ND     | 0.0 | 0.0  | 25.00 <b>Pass</b> |

### ADDITIONAL INFORMATION

Method: SOP-LAB-007  
Instrument: Magnifying Glass

Sample Prepped 10/31/2018 16:13  
Sample Analyzed 11/01/2018 09:03

Sample Approved 11/01/2018 10:14

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

