

# CERTIFICATE OF ANALYSIS



## SAMPLE INFORMATION

Sample Name: 1:1 Mango  
Sample Id: 67318  
Collected: 10/29/2018 13:41  
Batch Size: 10000 units  
Overall Result: **Pass**

Sample Matrix: Concentrate  
Batch Id: Mango1029  
Received: 10/30/2018 17:48  
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: 433.9 mg/g (43.39 %)  
TOTAL CBD: 315.3 mg/g (31.53 %)  
TOTAL CANNABINOIDS: 788.3 mg/g (78.83 %)

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

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
D9THC	430.6 mg/g (43.06 %)	1.0000	2.000	D8THC	ND	1.0000	2.000
THCa	ND	1.0000	2.000	CBG	12.56 mg/g (1.256 %)	1.0000	2.000
CBN	19.25 mg/g (1.925 %)	1.0000	2.000	CBD	315.3 mg/g (31.53 %)	1.0000	2.000
CBDa	ND	1.0000	2.000	CBGa	ND	1.0000	2.000
THCv	3.309 mg/g (0.3309 %)	1.0000	2.000	CBC	7.249 mg/g (0.7249 %)	1.0000	2.000
CBDv	ND	1.0000	2.000				

### ADDITIONAL INFORMATION

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

Sample Prepped 11/01/2018 16:14  
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 16:17  
 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  
Instrument: GC-MS/MS

Sample Prepped 11/01/2018 16:16  
Sample Analyzed 11/02/2018 12:39

Sample Approved 11/06/2018 09:22

## 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	22.11 ug/g	5.000	10.00	3100 <b>Pass</b>
Methanol	ND	50.00	100.0	400.0 <b>Pass</b>	Ethanol	1981 ug/g	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	157.8 ug/g	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	69.73 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  
Instrument: HS-GC-FID

Sample Prepped 11/02/2018 11:05  
Sample Analyzed 11/02/2018 11:27

Sample Approved 11/05/2018 11:29



## 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 17:12  
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 16:14  
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

