

CERTIFICATE OF ANALYSIS



SAMPLE INFORMATION

Sample Name: Granddaddy Purp
Sample Id: 67310
Collected: 10/29/2018 13:36
Batch Size: 10000 units
Overall Result: **Pass**

Sample Matrix: Concentrate
Batch Id: GDP1029
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: 773.8 mg/g (77.38 %)
TOTAL CBD: 5.783 mg/g (0.5783 %)
TOTAL CANNABINOIDS: 839.3 mg/g (83.93 %)

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

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
D9THC	768.5 mg/g (76.85 %)	1.0000	2.000	D8THC	ND	1.0000	2.000
THCa	ND	1.0000	2.000	CBG	19.01 mg/g (1.901 %)	1.0000	2.000
CBN	28.04 mg/g (2.804 %)	1.0000	2.000	CBD	5.783 mg/g (0.5783 %)	1.0000	2.000
CBDa	ND	1.0000	2.000	CBGa	ND	1.0000	2.000
THCv	5.268 mg/g (0.5268 %)	1.0000	2.000	CBC	12.65 mg/g (1.265 %)	1.0000	2.000
CBDv	ND	1.0000	2.000				

ADDITIONAL INFORMATION

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

Sample Prepped 11/01/2018 15:12
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 15:28
 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 15:28 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	27.21 ug/g	5.000	10.00	3100 Pass
Methanol	ND	50.00	100.0	400.0 Pass	Ethanol	1763 ug/g	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	35.35 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 11:04 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?
Instrument: qPCR

Sample Prepped 10/31/2018 16:45
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 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
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

