

# CERTIFICATE OF ANALYSIS



## SAMPLE INFORMATION

Sample Name: PB-CBD15 B300-104 8-15-18 Bake  
Sample Matrix: Edible  
Batch Id: B300-104 8-15-18 Bake  
Received: 08/17/2018 16:56  
Serv. Per Sample: 1

Sample Id: 57412  
Collected: 08/17/2018 16:07  
Serving Size: 1 Cookie  
Overall Result: Pass

## MANUFACTURER INFO

Business Name: Greenfield Organix DBA Dr. Norm's  
Street Address: 900 Cherry Ave  
State: CA  
License: CDPH-T00000220

City: Greenfield  
Zip Code: 93927

## CANNABINOID ANALYSIS

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

TOTAL THC: ND per serving (ND) (ND)  
TOTAL CBD: 17.0 mg per serving (2.18 mg/g) (0.218 %)  
TOTAL CANNABINOIDS: 17.0 mg per serving (2.18 mg/g) (0.218 %)

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

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
D9THC	ND	0.0100	0.0250	D8THC	ND	0.0100	0.0250
THCa	ND	0.0100	0.0250	CBG	ND	0.0100	0.0250
CBN	ND	0.0100	0.0250	CBD	2.18 mg/g (0.218 %)	0.0100	0.0250
CBDa	ND	0.0100	0.0250	CBGa	ND	0.0100	0.0250
THCv	ND	0.0100	0.0250	CBC	ND	0.0100	0.0250
CBDv	<LLOQ (<LLOQ)	0.0100	0.0250				

### ADDITIONAL INFORMATION

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

Sample Prepped 08/21/2018 16:23  
Sample Analyzed 08/21/2018 18:22

Sample Approved 08/23/2018 15:16



 **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	0.0500	5.00 <b>Pass</b>	Acequinocyl	ND	0.0030	0.0250	4.00 <b>Pass</b>
Acetamiprid	ND	0.0025	0.0100	5.00 <b>Pass</b>	Aldicarb	ND	0.0025	0.0100	0.0 <b>Pass</b>
Azoxystrobin	ND	0.0025	0.0100	40.0 <b>Pass</b>	Bifenazate	ND	0.0025	0.0100	5.00 <b>Pass</b>
Bifenthrin	ND	0.0050	0.0250	0.500 <b>Pass</b>	Boscalid	ND	0.0025	0.0100	10.0 <b>Pass</b>
Carbaryl	ND	0.0025	0.0100	0.500 <b>Pass</b>	Carbofuran	ND	0.0025	0.0100	0.0 <b>Pass</b>
Chlorantraniliprole	ND	0.0050	0.0250	40.0 <b>Pass</b>	Chlorfenapyr	ND	0.0250	0.100	0.0 <b>Pass</b>
Chlorpyrifos	ND	0.0030	0.0100	0.0 <b>Pass</b>	Clofentezine	ND	0.0050	0.0250	0.500 <b>Pass</b>
Cypermethrin	ND	0.0100	0.0500	1.00 <b>Pass</b>	Daminozide	ND	0.0500	0.250	0.0 <b>Pass</b>
Dichlorvos	ND	0.0100	0.0500	0.0 <b>Pass</b>	Diazinon	ND	0.0025	0.0100	0.200 <b>Pass</b>
Dimethoate	ND	0.0025	0.0100	0.0 <b>Pass</b>	Ethoprophos	ND	0.0025	0.0100	0.0 <b>Pass</b>
Etofenprox	ND	0.0025	0.0100	0.0 <b>Pass</b>	Etoxazole	ND	0.0025	0.0100	1.50 <b>Pass</b>
Fenoxycarb	ND	0.0025	0.0100	0.0 <b>Pass</b>	Fenpyroximate	ND	0.0025	0.0100	2.00 <b>Pass</b>
Fipronil	ND	0.0500	0.200	0.0 <b>Pass</b>	Fonicamid	ND	0.0050	0.0250	2.00 <b>Pass</b>
Fludioxonil	ND	0.0100	0.0500	30.0 <b>Pass</b>	Hexythiazox	ND	0.0025	0.0250	2.00 <b>Pass</b>
Imazalil	ND	0.0050	0.0250	0.0 <b>Pass</b>	Imidacloprid	ND	0.0100	0.0500	3.00 <b>Pass</b>
KresoximMethyl	ND	0.0025	0.0100	1.00 <b>Pass</b>	Malathion	ND	0.0025	0.0100	0.500 <b>Pass</b>
Metalaxyl	ND	0.0025	0.0100	15.0 <b>Pass</b>	Methiocarb	ND	0.0025	0.0100	0.0 <b>Pass</b>
Methomyl	ND	0.0025	0.0100	0.100 <b>Pass</b>	Myclobutanil	ND	0.0100	0.0500	9.00 <b>Pass</b>
Naled	ND	0.0025	0.0100	0.500 <b>Pass</b>	Oxamyl	ND	0.0250	0.100	0.200 <b>Pass</b>
Paclobutrazol	ND	0.0025	0.0100	0.0 <b>Pass</b>	Phosmet	ND	0.0025	0.0100	0.200 <b>Pass</b>
PiperonylButoxide	0.0420 ug/g	0.0025	0.0100	8.00 <b>Pass</b>	Prallethrin	ND	0.0100	0.0500	0.400 <b>Pass</b>
Propoxur	ND	0.0025	0.0100	0.0 <b>Pass</b>	Pyridaben	ND	0.0025	0.0100	3.00 <b>Pass</b>
Spiromesifen	ND	0.0025	0.0100	12.0 <b>Pass</b>	Spirotetramat	ND	0.0025	0.0100	13.0 <b>Pass</b>
Spiroxamine	ND	0.0250	0.0100	0.400 <b>Pass</b>	Tebuconazole	ND	0.0250	0.0100	2.00 <b>Pass</b>
Thiacloprid	ND	0.0025	0.0100	0.0 <b>Pass</b>	Thiamethoxam	ND	0.0025	0.0100	5.00 <b>Pass</b>
Trifloxystrobin	ND	0.0025	0.0100	30.0 <b>Pass</b>	Abamectin	ND	0.0127	0.0635	0.300 <b>Pass</b>
Cyfluthrin	ND	0.0050	0.0250	1.00 <b>Pass</b>	Permethrins	ND	0.0166	0.0685	20.0 <b>Pass</b>
Propiconazole	ND	0.0051	0.0251	20.0 <b>Pass</b>	Pyrethrins	ND	0.0159	0.0785	1.00 <b>Pass</b>
Spinosad	ND	0.0061	0.0244	3.00 <b>Pass</b>	Coumaphos	ND	0.0025	0.0100	0.0 <b>Pass</b>
Fenhexamid	ND	0.0100	0.0500	0.100 <b>Pass</b>	Spinetoram	ND	0.0030	0.0100	0.100 <b>Pass</b>
Dimethomorph	ND	0.0025	0.0100	2.00 <b>Pass</b>	Mevinphos	ND	0.0020	0.0100	0.0 <b>Pass</b>

**ADDITIONAL INFORMATION**

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

Sample Prepped 08/21/2018 16:27  
 Sample Analyzed 08/21/2018 18:27

Sample Approved 08/22/2018 14:38



## 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	0.100	0.0 <b>Pass</b>	Captan	ND	0.0400	0.100	5.00 <b>Pass</b>
PCNB	ND	0.0200	0.0400	0.200 <b>Pass</b>	MethylParathion	ND	0.0400	0.100	0.0 <b>Pass</b>

### ADDITIONAL INFORMATION

Method: SOP-LAB-007      Sample Prepped 08/21/2018 16:26      Sample Approved 08/22/2018 16:05  
Instrument: GC-MS/MS      Sample Analyzed 08/21/2018 18:25

## 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	0.500	1.00	0.0 <b>Pass</b>	Acetone	ND	5.00	10.0	5000 <b>Pass</b>
Methanol	276 ug/g	50.0	100	3000 <b>Pass</b>	Ethanol	194 ug/g	10.0	50.0	5000 <b>Pass</b>
Benzene	ND	0.500	1.00	0.0 <b>Pass</b>	Toluene	ND	1.00	2.50	890 <b>Pass</b>
Pentane	ND	50.0	100	5000 <b>Pass</b>	Hexane	ND	0.500	1.00	290 <b>Pass</b>
Heptane	32.8 ug/g	5.00	10.0	5000 <b>Pass</b>	Ethyl Acetate	ND	10.0	50.0	5000 <b>Pass</b>
Propane	ND	100	200	5000 <b>Pass</b>	Acetonitrile	ND	1.00	2.50	410 <b>Pass</b>
Ethyl Ether	ND	10.0	50.0	5000 <b>Pass</b>	1,2-Dichloroethane	ND	0.500	1.00	0.0 <b>Pass</b>
Butane	ND	96.0	192	5000 <b>Pass</b>	Methylene chloride	ND	0.500	1.00	0.0 <b>Pass</b>
Ethylene oxide	ND	0.500	1.00	0.0 <b>Pass</b>	Isopropyl Alcohol	ND	5.00	10.0	5000 <b>Pass</b>
Trichloroethylene	ND	0.500	1.00	0.0 <b>Pass</b>	Xylenes	ND	1.00	2.00	2170 <b>Pass</b>

### ADDITIONAL INFORMATION

Method: SOP-TECH-003      Sample Prepped 08/23/2018 17:47      Sample Approved 08/24/2018 18:01  
Instrument: HS-GC-FID      Sample Analyzed 08/23/2018 17:57



## 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	33.0 <b>Pass</b>	A. flavus	ND	0.0	0.0	33.0 <b>Pass</b>
A. niger	ND	0.0	0.0	33.0 <b>Pass</b>	A. terreus	ND	0.0	0.0	33.0 <b>Pass</b>
STEC	ND	0.0	0.0	33.0 <b>Pass</b>	Salmonella spp	ND	0.0	0.0	33.0 <b>Pass</b>

### ADDITIONAL INFORMATION

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

Sample Prepped 08/21/2018 15:14  
Sample Analyzed 08/21/2018 18:25

Sample Approved 08/23/2018 13:48

## 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	25.0 <b>Pass</b>	Mold	ND	0.0	0.0	25.0 <b>Pass</b>
IF RH ME	ND	0.0	0.0	3.00 <b>Pass</b>	IFM	ND	0.0	0.0	25.0 <b>Pass</b>

### ADDITIONAL INFORMATION

Method: SOP-LAB-007  
Instrument: Magnifying Glass

Sample Prepped 08/21/2018 16:26  
Sample Analyzed 08/21/2018 18:26

Sample Approved 08/21/2018 19:22

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



08/24/2018

Swetha Kaul, PhD  
Chief Scientific Officer

Date

