

CERTIFICATE OF ANALYSIS



SAMPLE INFORMATION

Sample Name: Bubba Bubba
Sample Id: 68824
Collected: 12/13/2018 10:55
Batch Size: 1940 units
Overall Result: Pass

Sample Matrix: Concentrate
Batch Id: 120618BB
Received: 12/14/2018 10:43
Sample Size: 13 units

MANUFACTURER INFO

Business Name: Cypress Manufacturing Co.
Street Address: 20 Quail Run Circle
City: Salinas
Zip Code: 93907

Street Addr. Cont.: Unit B
State: CA
License: CDPH-T00000344

CANNABINOID ANALYSIS

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

TOTAL THC: 758.0 mg/g (75.80 %)
TOTAL CBD: ND (ND)
TOTAL CANNABINOIDS: 807.6 mg/g (80.76 %)

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

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
D9THC	753.5 mg/g (75.35 %)	1.0000	2.000	D8THC	ND	1.0000	2.000
THCa	ND	1.0000	2.000	CBG	25.08 mg/g (2.508 %)	1.0000	2.000
CBN	14.99 mg/g (1.499 %)	1.0000	2.000	CBD	ND	1.0000	2.000
CBDa	ND	1.0000	2.000	CBGa	ND	1.0000	2.000
THCv	4.436 mg/g (0.4436 %)	1.0000	2.000	CBC	9.523 mg/g (0.9523 %)	1.0000	2.000
CBDv	ND	1.0000	2.000				

ADDITIONAL INFORMATION

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

Sample Prepped 12/17/2018 20:50
Sample Analyzed 12/18/2018 11:09

Sample Approved 12/19/2018 12:40



 **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	0.0040	0.0100	0.1000 Pass	Acequinocyl	ND	0.0004	0.0020	0.1000 Pass
Acetamiprid	ND	0.0020	0.0040	0.1000 Pass	Aldicarb	ND	0.0100	0.0200	0.0 Pass
Azoxystrobin	ND	0.0100	0.0200	0.2000 Pass	Bifenazate	ND	0.0040	0.0100	0.1000 Pass
Bifenthrin	ND	0.0100	0.0200	3.000 Pass	Boscalid	ND	0.0200	0.0400	0.1000 Pass
Carbaryl	ND	0.0020	0.0040	0.5000 Pass	Carbofuran	ND	0.0100	0.0200	0.0 Pass
Chlorantraniliprole	ND	0.0400	0.1000	10.00 Pass	Chlorfenapyr	ND	0.0400	0.1000	0.0 Pass
Chlorpyrifos	ND	0.0400	0.1000	0.0 Pass	Clofentezine	ND	0.0040	0.0100	0.1000 Pass
Cypermethrin	ND	0.0400	0.1000	1.000 Pass	Daminozide	ND	0.0400	0.1000	0.0 Pass
Dichlorvos	ND	0.0100	0.0200	0.0 Pass	Diazinon	ND	0.0020	0.0040	0.1000 Pass
Dimethoate	ND	0.0100	0.0400	0.0 Pass	Ethoprophos	ND	0.0040	0.0100	0.0 Pass
Etofenprox	ND	0.0040	0.0100	0.0 Pass	Etoxazole	ND	0.0040	0.0100	0.1000 Pass
Fenoxycarb	ND	0.0040	0.0100	0.0 Pass	Fenpyroximate	ND	0.0100	0.0200	0.1000 Pass
Fipronil	ND	0.0400	0.1000	0.0 Pass	Fonicamid	ND	0.0200	0.0400	0.1000 Pass
Fludioxonil	ND	0.0100	0.0200	0.1000 Pass	Hexythiazox	ND	0.0040	0.0100	0.1000 Pass
Imazalil	ND	0.0100	0.0200	0.0 Pass	Imidacloprid	ND	0.0040	0.0100	5.000 Pass
KresoximMethyl	ND	0.0200	0.0400	0.1000 Pass	Malathion	ND	0.0040	0.0100	5.000 Pass
Metalaxyl	ND	0.0040	0.0100	2.000 Pass	Methiocarb	ND	0.0020	0.0040	0.0 Pass
Methomyl	ND	0.0020	0.0040	1.000 Pass	Myclobutanil	ND	0.0200	0.0400	0.1000 Pass
Naled	ND	0.0040	0.0100	0.1000 Pass	Oxamyl	ND	0.0100	0.0200	0.5000 Pass
Paclobutrazol	ND	0.0040	0.0100	0.0 Pass	Phosmet	ND	0.0040	0.0100	0.1000 Pass
PiperonylButoxide	ND	0.0020	0.0040	3.000 Pass	Prallethrin	ND	0.0400	0.1000	0.1000 Pass
Propoxur	ND	0.0040	0.0100	0.0 Pass	Pyridaben	ND	0.0100	0.0200	0.1000 Pass
Spiromesifen	ND	0.0400	0.1000	0.1000 Pass	Spirotetramat	ND	0.0200	0.0400	0.1000 Pass
Spiroxamine	ND	0.0020	0.0040	0.4000 Pass	Tebuconazole	ND	0.0040	0.0100	0.1000 Pass
Thiacloprid	ND	0.0004	0.0020	0.0 Pass	Thiamethoxam	ND	0.0040	0.0100	5.000 Pass
Trifloxystrobin	ND	0.0020	0.0040	0.1000 Pass	Abamectin	ND	0.0400	0.1000	0.1000 Pass
Cyfluthrin	ND	0.4000	2.000	2.000 Pass	Permethrins	ND	0.0100	0.0200	0.5000 Pass
Propiconazole	ND	0.0270	0.0610	0.1000 Pass	Pyrethrins	ND	0.0656	0.1570	0.5000 Pass
Spinosad	ND	0.0100	0.0200	0.1000 Pass	Coumaphos	ND	0.0100	0.0200	0.0 Pass
Fenhexamid	ND	0.0400	0.1000	0.1000 Pass	Spinetoram	ND	0.0040	0.0100	0.1000 Pass
Dimethomorph	ND	0.0070	0.0149	2.000 Pass	Mevinphos	ND	0.0100	0.0200	0.0 Pass

ADDITIONAL INFORMATION

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

Sample Prepped 12/17/2018 20:51
 Sample Analyzed 12/18/2018 11:09

Sample Approved 12/18/2018 18:50



 **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 12/18/2018 09:48 Sample Approved 12/19/2018 22:00
Instrument: GC-MS/MS Sample Analyzed 12/18/2018 19:33

 **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	ND	5.000	10.00	3100	Pass
Methanol	ND	50.00	100.0	400.0	Pass	Ethanol	ND	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	<LLOQ	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	16.79 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 12/17/2018 19:26 Sample Approved 12/19/2018 22:00
Instrument: HS-GC-FID Sample Analyzed 12/17/2018 21:26





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 12/16/2018 16:14 Sample Approved 12/19/2018 09:16
 Instrument: qPCR Sample Analyzed 12/17/2018 13:31



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 12/17/2018 14:10 Sample Approved 12/17/2018 14:34
 Instrument: Magnifying Glass Sample Analyzed 12/17/2018 14:14



HEAVY METALS

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

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Lead	0.0703 ug/g	0.0	0.0050	500.0 Pass	Mercury	<LLOQ	0.0	0.0050	100.0 Pass
Arsenic	0.0081 ug/g	0.0	0.0050	200.0 Pass	Cadmium	<LLOQ	0.0	0.0050	200.0 Pass

ADDITIONAL INFORMATION

Method: SOP-TECH-008 Sample Prepped 12/21/2018 12:46 Sample Approved 12/26/2018 09:03
 Instrument: ICP-MS Sample Analyzed 12/21/2018 14:19





MYCOTOXINS

TEST TYPE RESULT: **Pass**
UNIT OF MEASUREMENT: Micrograms per Kilogram(ug/kg)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Aflatoxins-B1-2-G1-2	ND	1.002E+9	2.005E+9	0.0200 Pass	Ochratoxin A	ND	1.000	2.000	0.0200 Pass

ADDITIONAL INFORMATION

Method: SOP-TECH-009 Sample Prepped 12/17/2018 20:53 Sample Approved 12/19/2018 17:20
Instrument: UPLC-MSMS Sample Analyzed 12/18/2018 11:54

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



12/26/2018

Swetha Kaul, PhD
Chief Scientific Officer

Date

